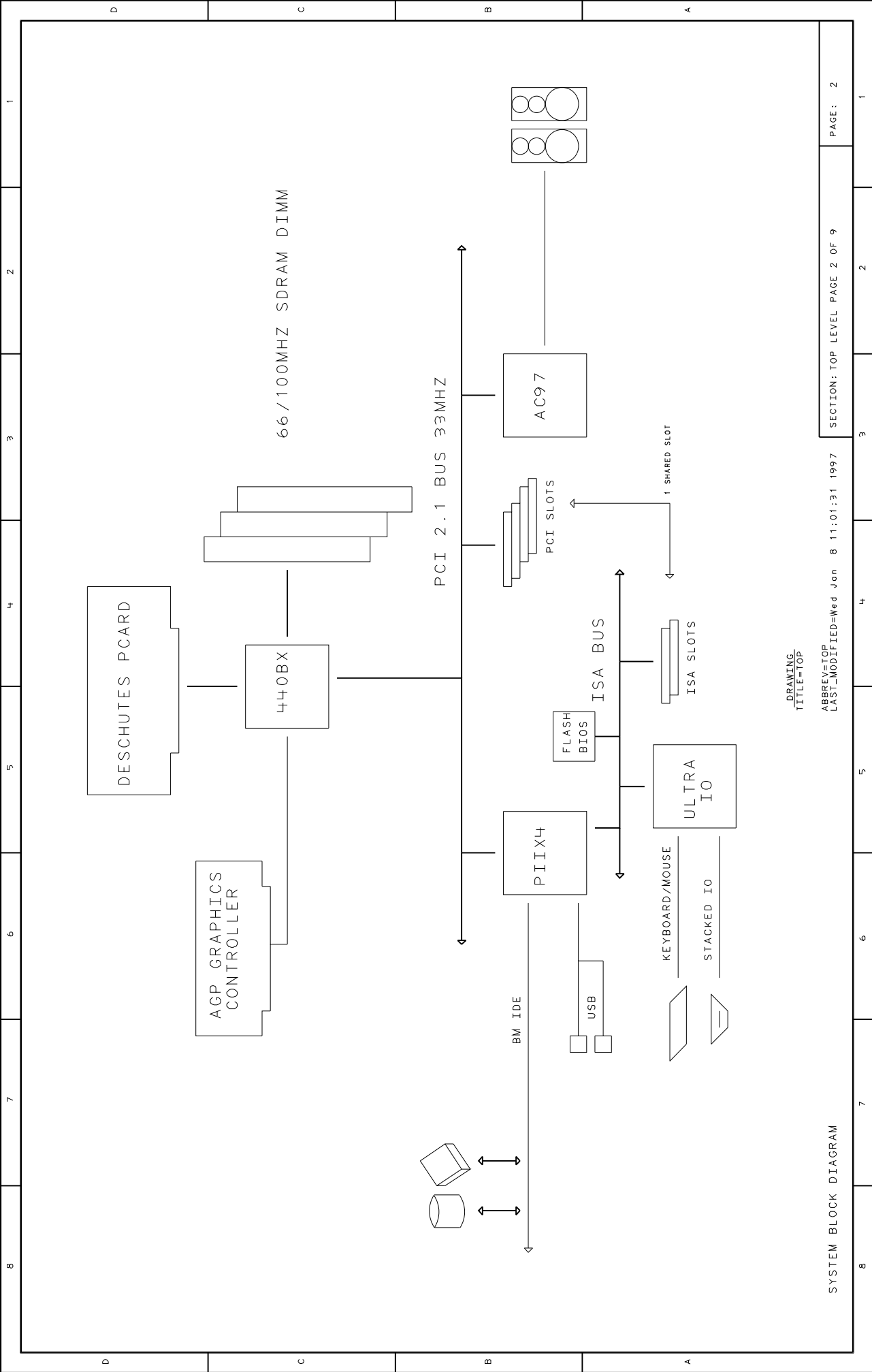


8	7	6	5	4	3	2	1
<div><div><div>TABLE OF CONTENTS</div><div><div>TOP BLOCK..... 1-9</div><div>HOST BLOCK..... 10-14</div><div>SLOT 1 CONN..... 10</div><div>JTAG CONN..... 11</div><div>CLOCK DRIVER..... 12</div><div>NORTH BRIDGE BLOCK..... 15-18</div><div>BX HOST BRIDGE..... 15</div><div>SRAM TIMMS..... 16</div><div>APB SLOT..... 18</div><div>SOUTH BRIDGE BLOCK..... 19-31</div><div>ATA..... 19</div><div>ATA2..... 20</div><div>GAME PORT..... 24</div><div>USB..... 25</div><div>IDE..... 26</div><div>PCI SLOTS..... 27</div><div>ISA BLOCK..... 32-40</div><div>FD37C377..... 32</div><div>POPPY..... 33</div><div>IO..... 33</div><div>FLASH BIOS..... 36</div><div>ISA SLOTS..... 37</div><div>POWER BLOCK..... 41-52</div><div>VRM/VTI..... 41</div><div>P5 CONNECTORS..... 42</div><div>CPU FAN..... 43</div><div>COOLING FAN..... 43</div><div>CORE RATIO PROGRAMMING..... 45</div><div>ACPI PLANE/THERMAL CONTROL..... 46</div><div>SYSTEM HARDWARE MONITOR..... 48</div><div>POWER LOSS CONTROL..... 48</div><div>DECOUPLING..... 50</div><div>CROSS REFERENCE..... 53-58</div></div></div></div> <div><div>ANACORTES</div><div>POWER MANAGMENT VALIDATION PLATFORM</div><div>PLATFORM ARCHITECTURE LAB</div></div> <div><div>DESIGN REVIEW COPY</div><div>INTEL SECRET - DO NOT DISTRIBUTE OUTSIDE OF INTEL</div></div> <div><div>INTEL SECRET</div><div>VERSION 1.0 9/10/97</div><div><div>WHO TO CONTACT:</div><div>JERZY KOLINSKI: PROJECT LEAD</div><div>ED CLARK: LEAD DESIGNER</div><div>FEEDBACK: JERZY KOLINSKI / ED CLARK</div></div><div><div>DRAWING</div><div>TITLE=TOP</div><div>ABBREV=TOP</div><div>LAST_MODIFIED=Wed Sep 10 17:24:14 1997</div></div><div><div>SECTION: PBA 689992-001</div><div>AA TBD</div><div>PAGE:</div></div></div>							



DRAWING
TITLE=TOP

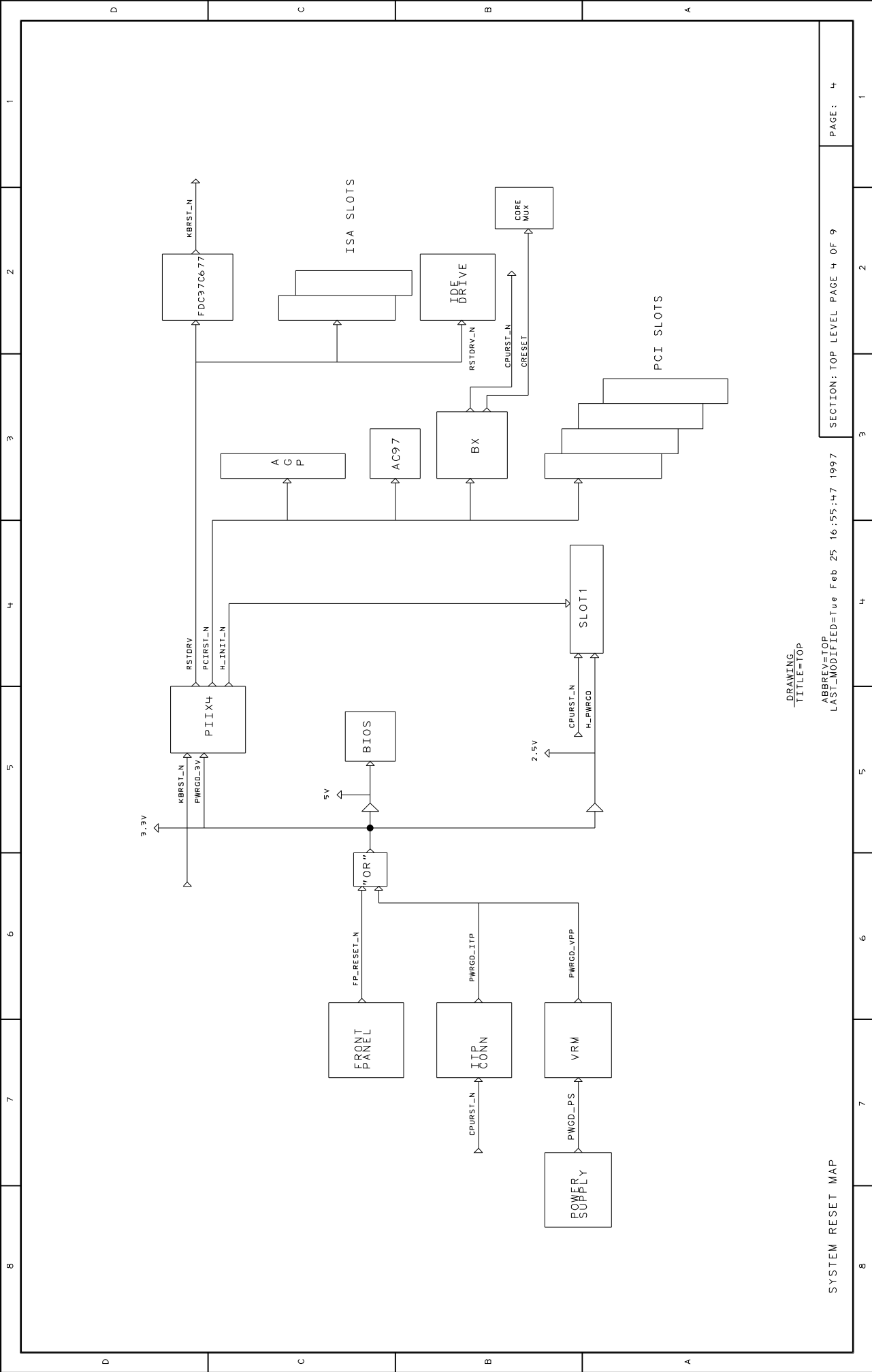
ABBREV=TOP
LAST_MODIFIED=Wed Jan 8 11:01:31 1997

SYSTEM BLOCK DIAGRAM

SECTION: TOP LEVEL PAGE 2 OF 9

PAGE: 2

8		7		6		5		4		3		2		1	
D		C		B		A		NOTES							
DEVICES		STANDARD PC SUPPLY				CPU (GTL/CMOS)		SUSPEND		AUDIO SYSTEM					
		+5	+3.3	+12	-12	+5V_SB	+3V_SB	VCC_VID	+2.5	TVCC1_5	AUD_5V	AUD_GND			
CLOCK_100A			X						X						
CLKBF_100									X						
440BX									X						
SDRAM DIMM									X						
PIIX4			X				X								
EMU8008		X	X												
AC'97 DRAM_256K		X													
CS+297			X								X		X		
FDC37C677		X													
28F002BX		X													
MAX1617							X								
74LVT2+1			X												
LM79			X												
LM75							X								
AUDIO OP-AMPS				X	X										
RING-IN PWR-BLINK 3VSB-REC PS2 <OPTIONAL>						X							X		
DRAWING TITLE=TOP															
ABBREV=TOP LAST_MODIFIED=Tue May 13 08:36:51 1997															
DEVICE POWER TABLE										SECTION: TOP LEVEL PAGE 3 OF 9			PAGE: 3		



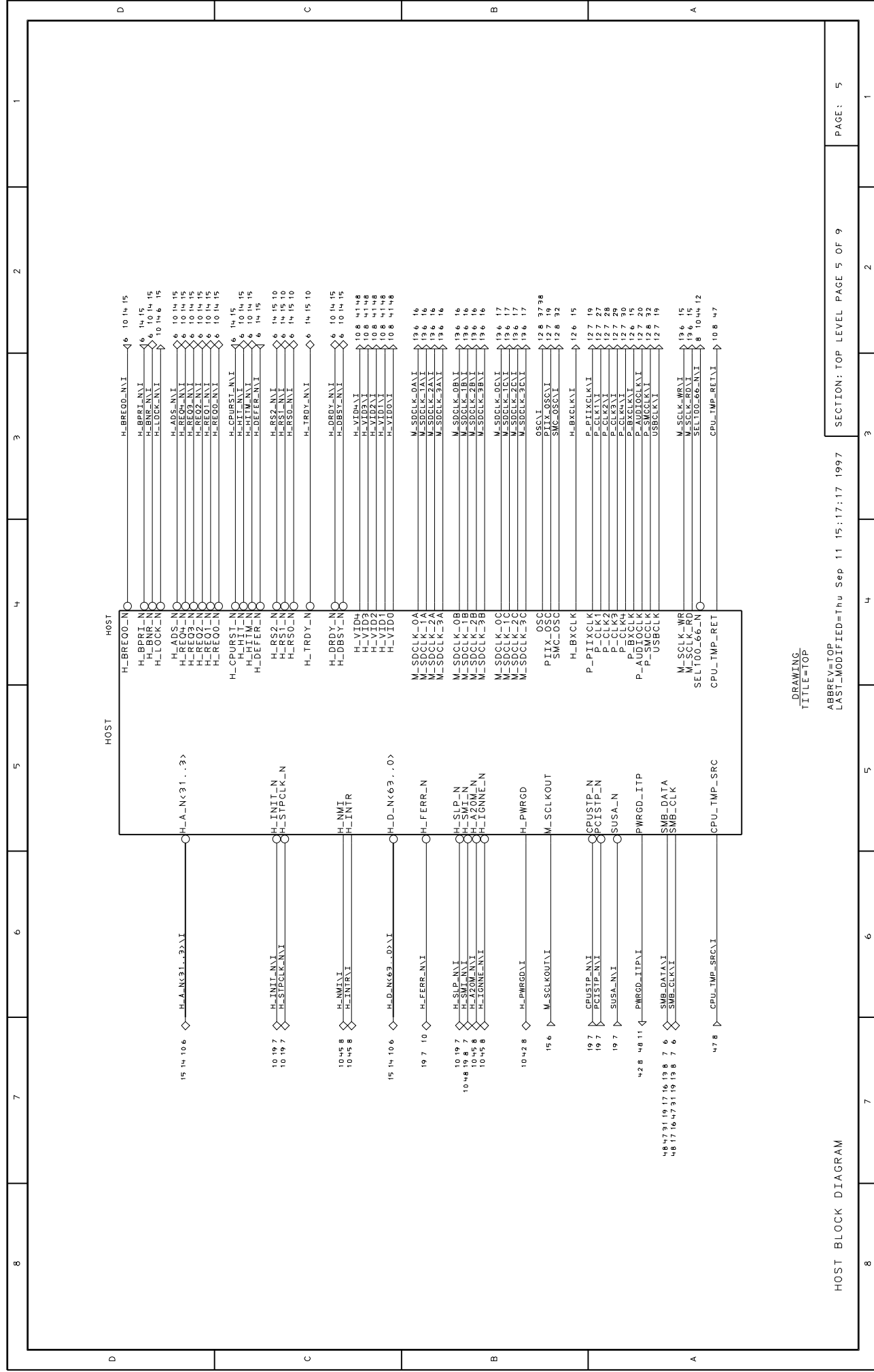
DRAWING
TITLE=TOP

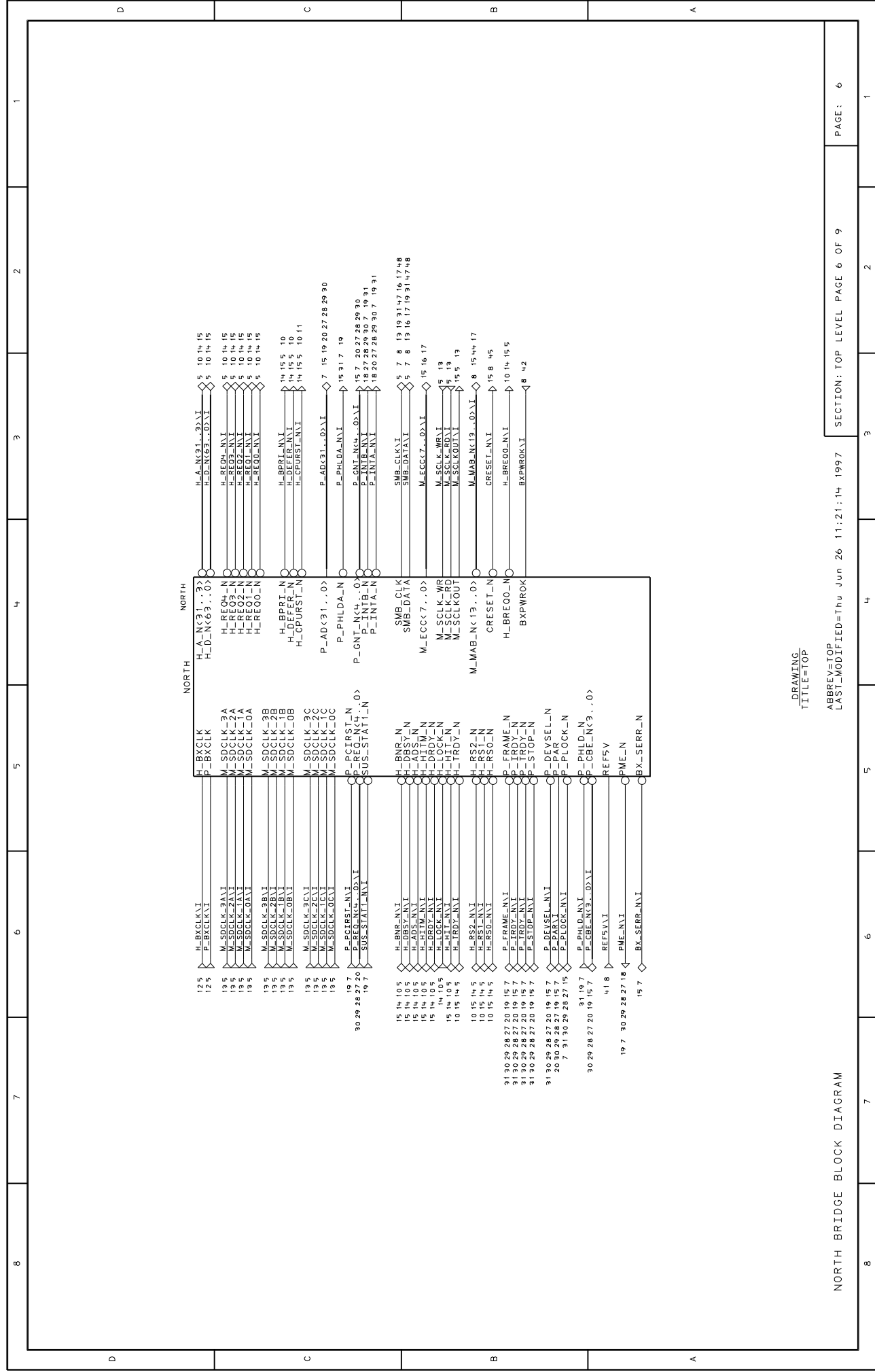
ABBREV=TOP
LAST_MODIFIED=Tue Feb 25 16:55:47 1997

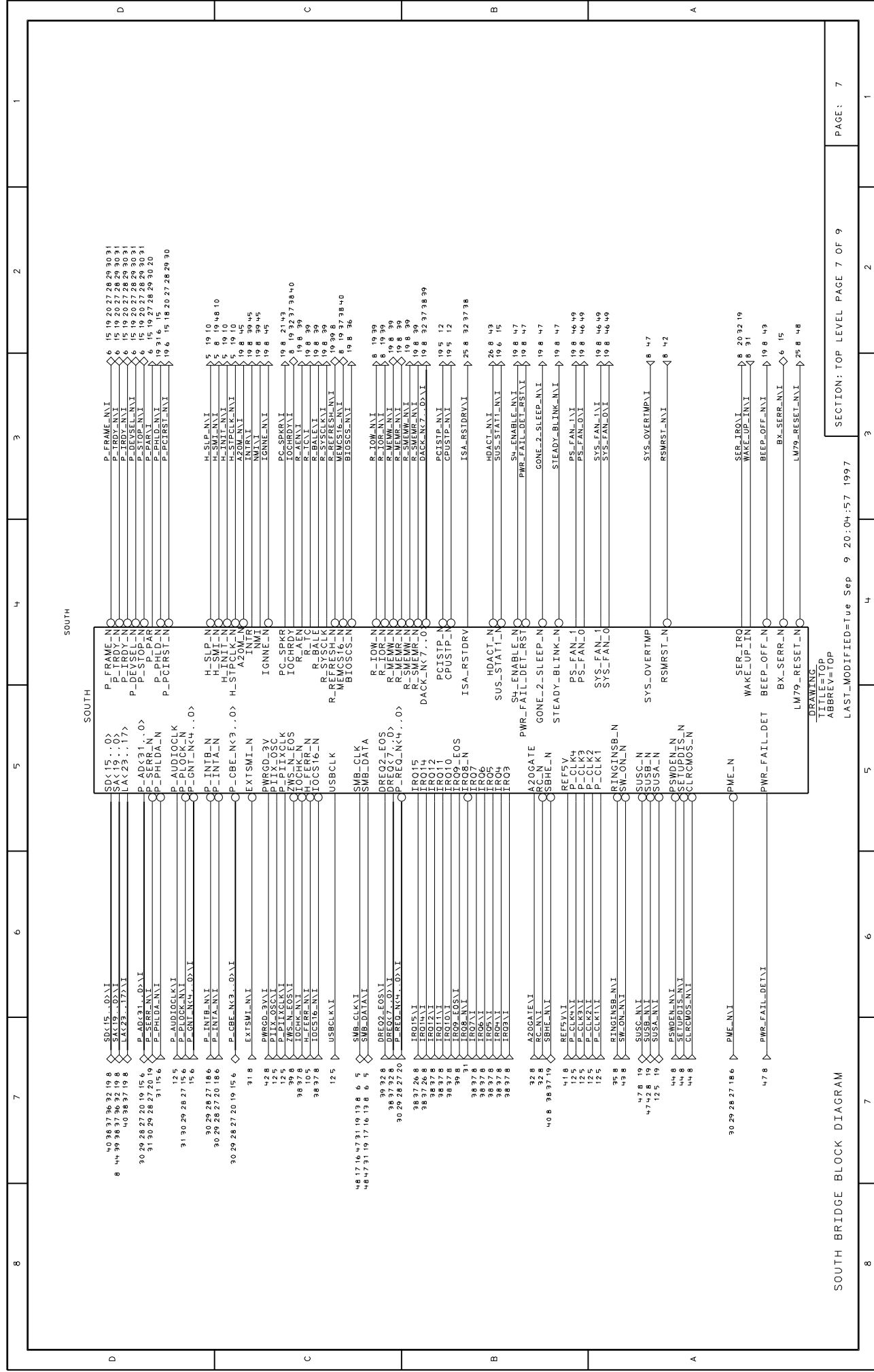
SYSTEM RESET MAP

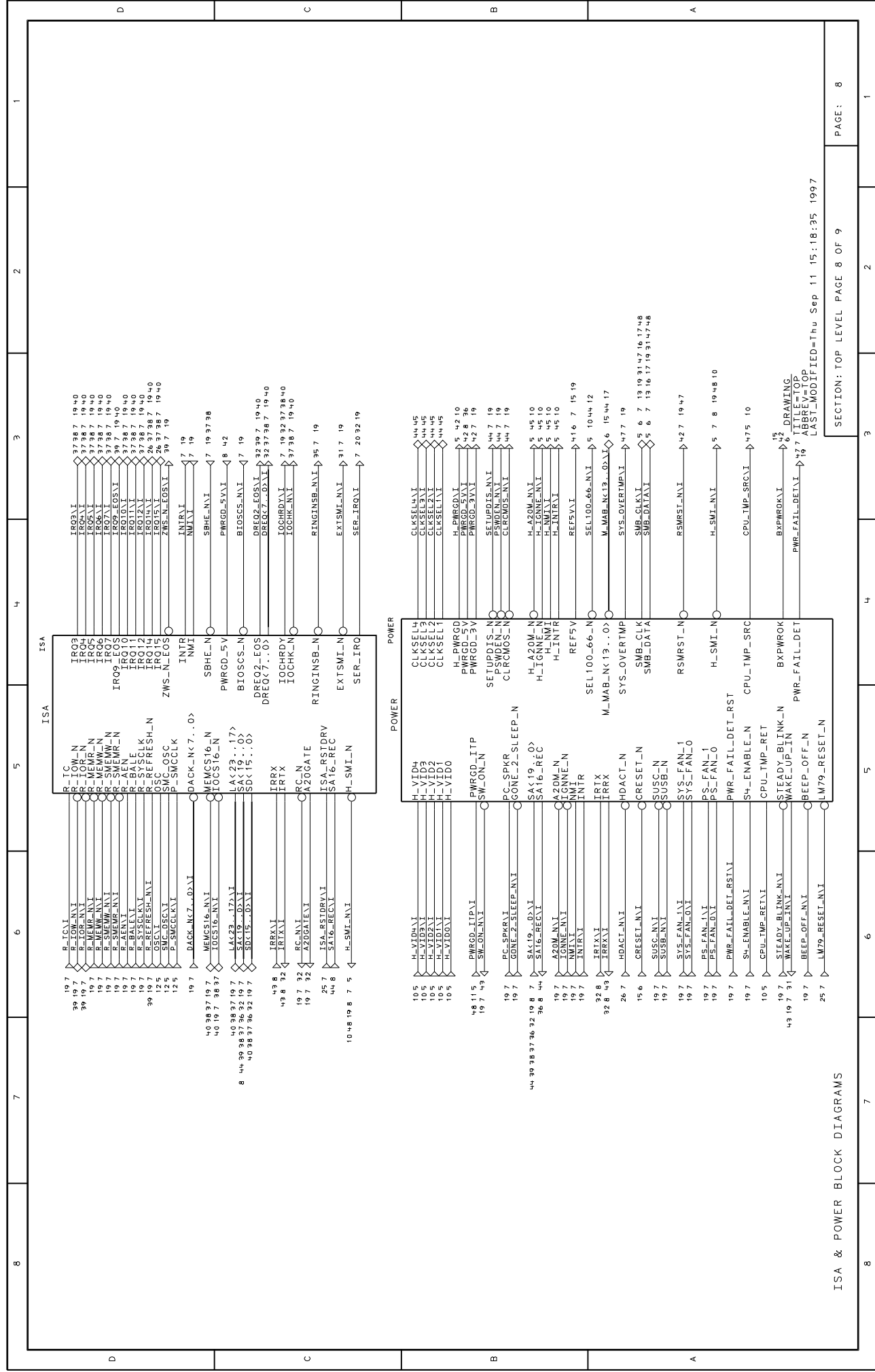
SECTION: TOP LEVEL PAGE 4 OF 9

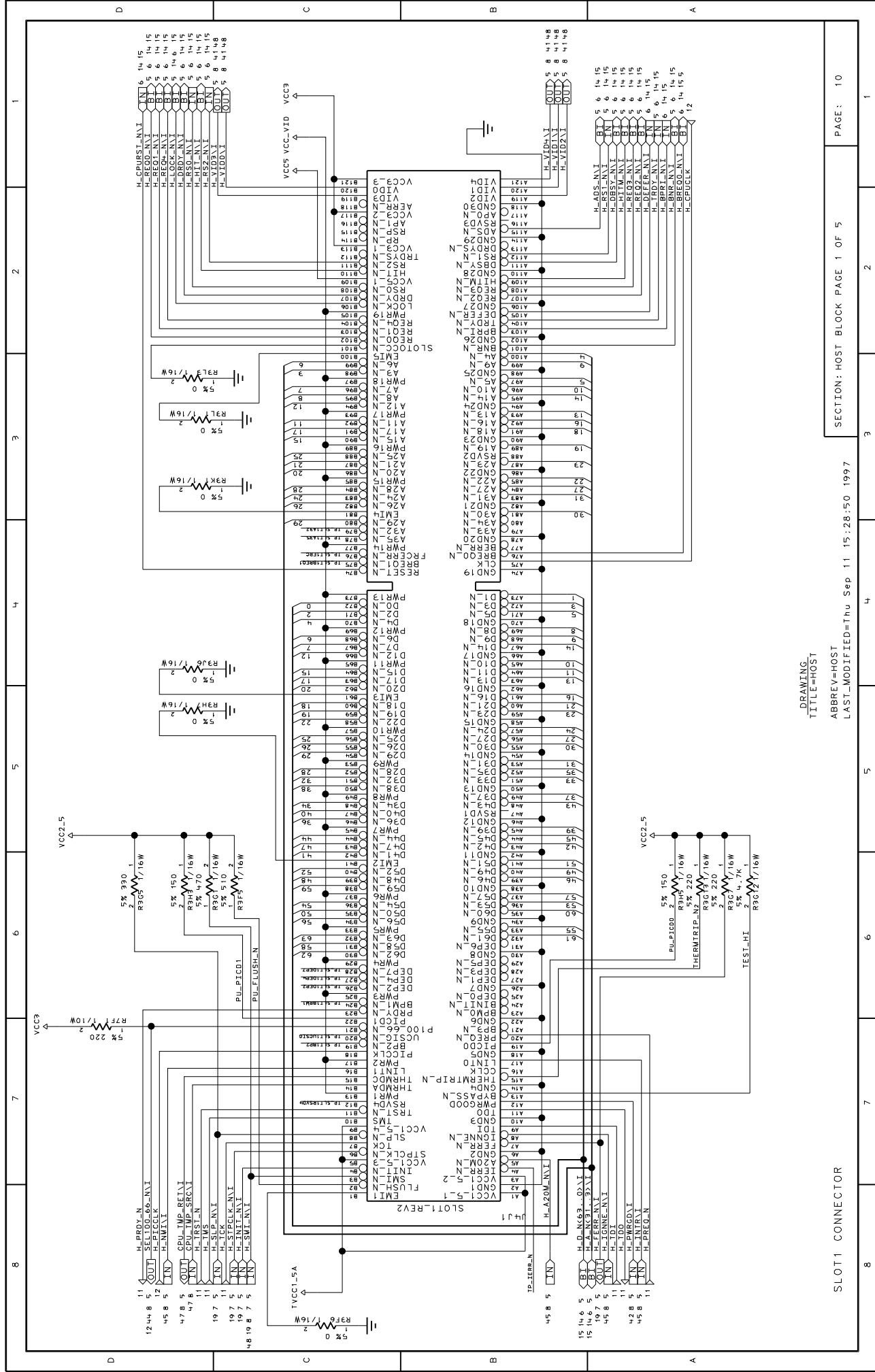
PAGE: 4









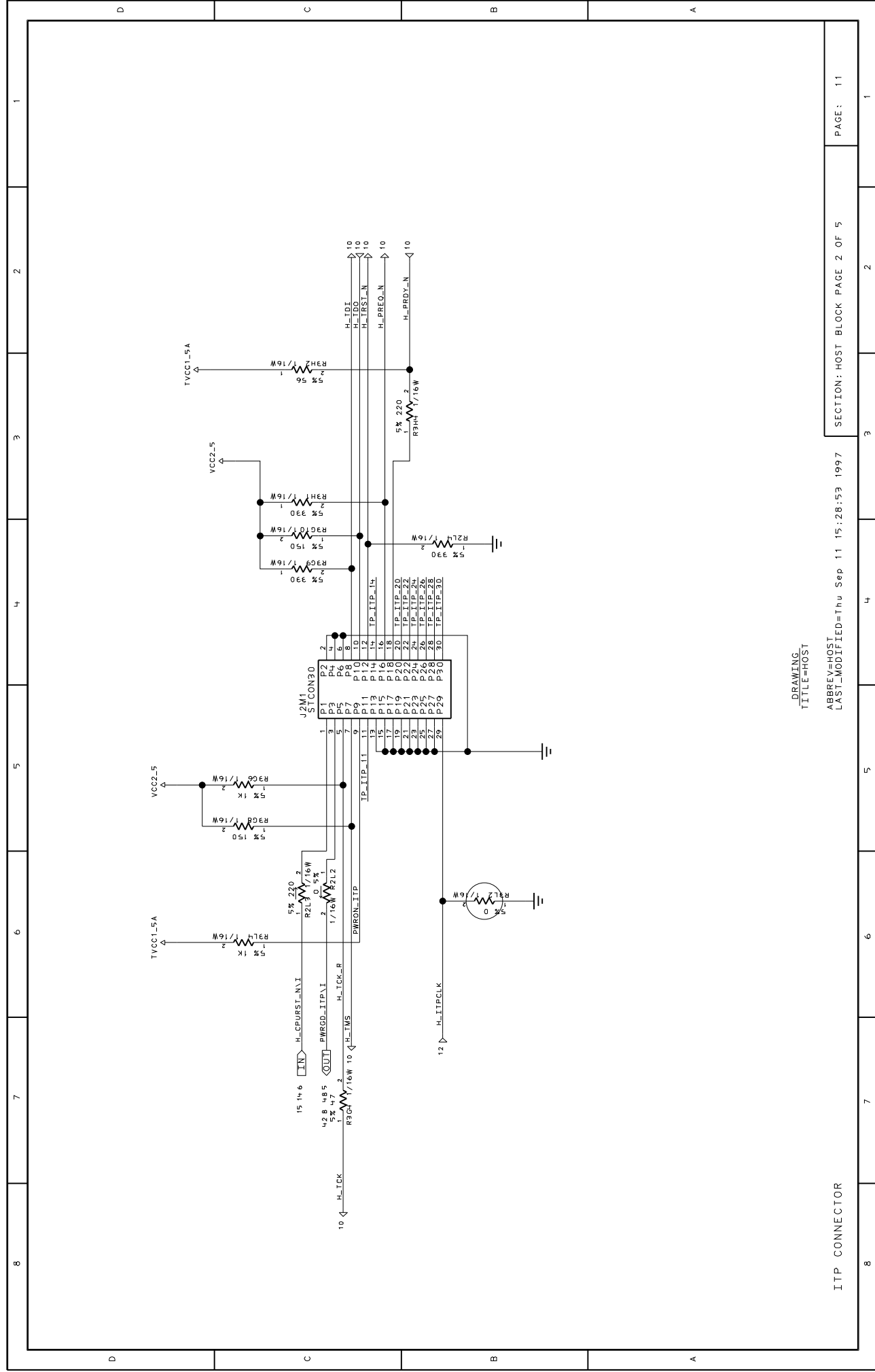


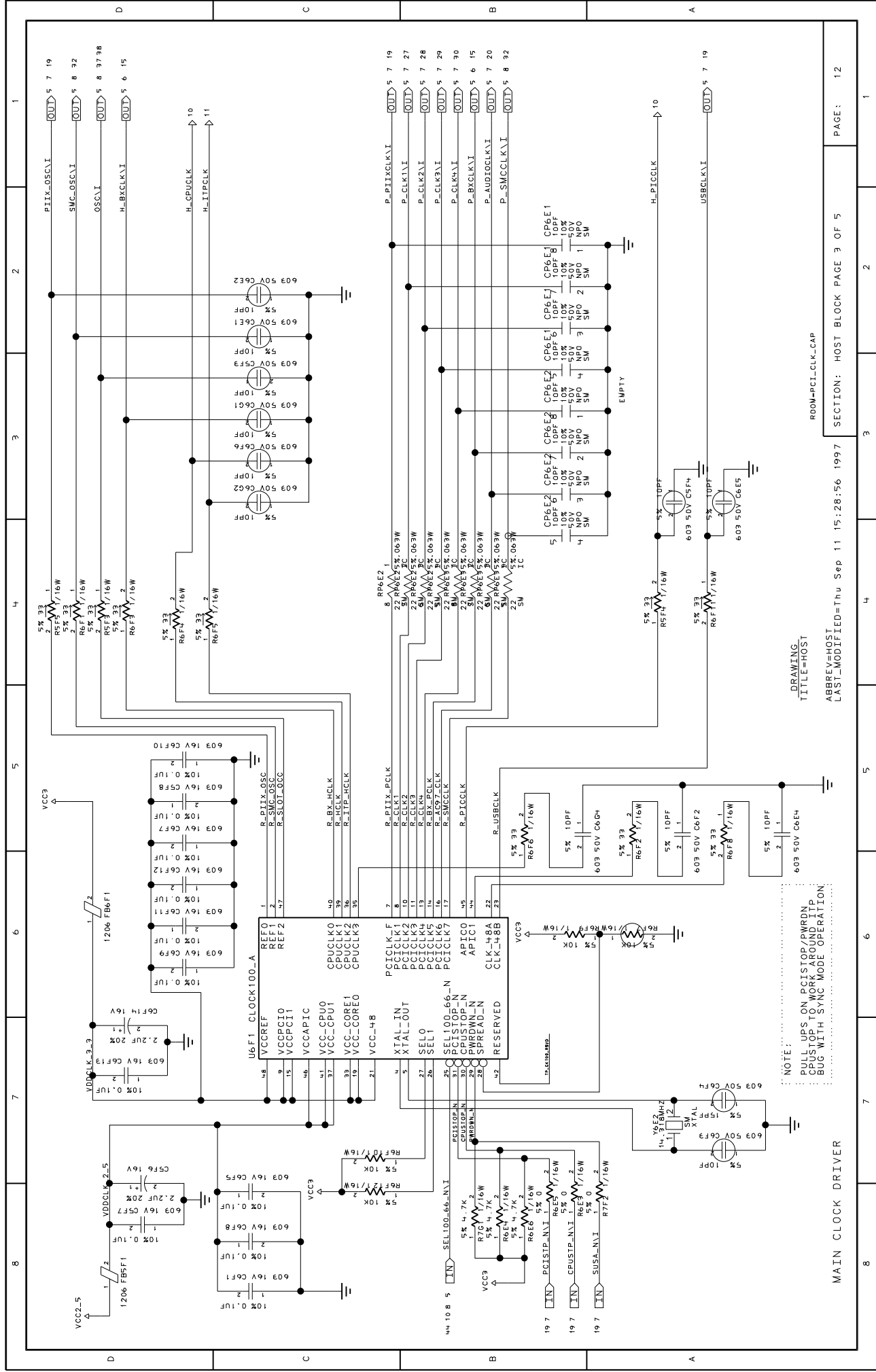
DRAWING
TITLE=HOST

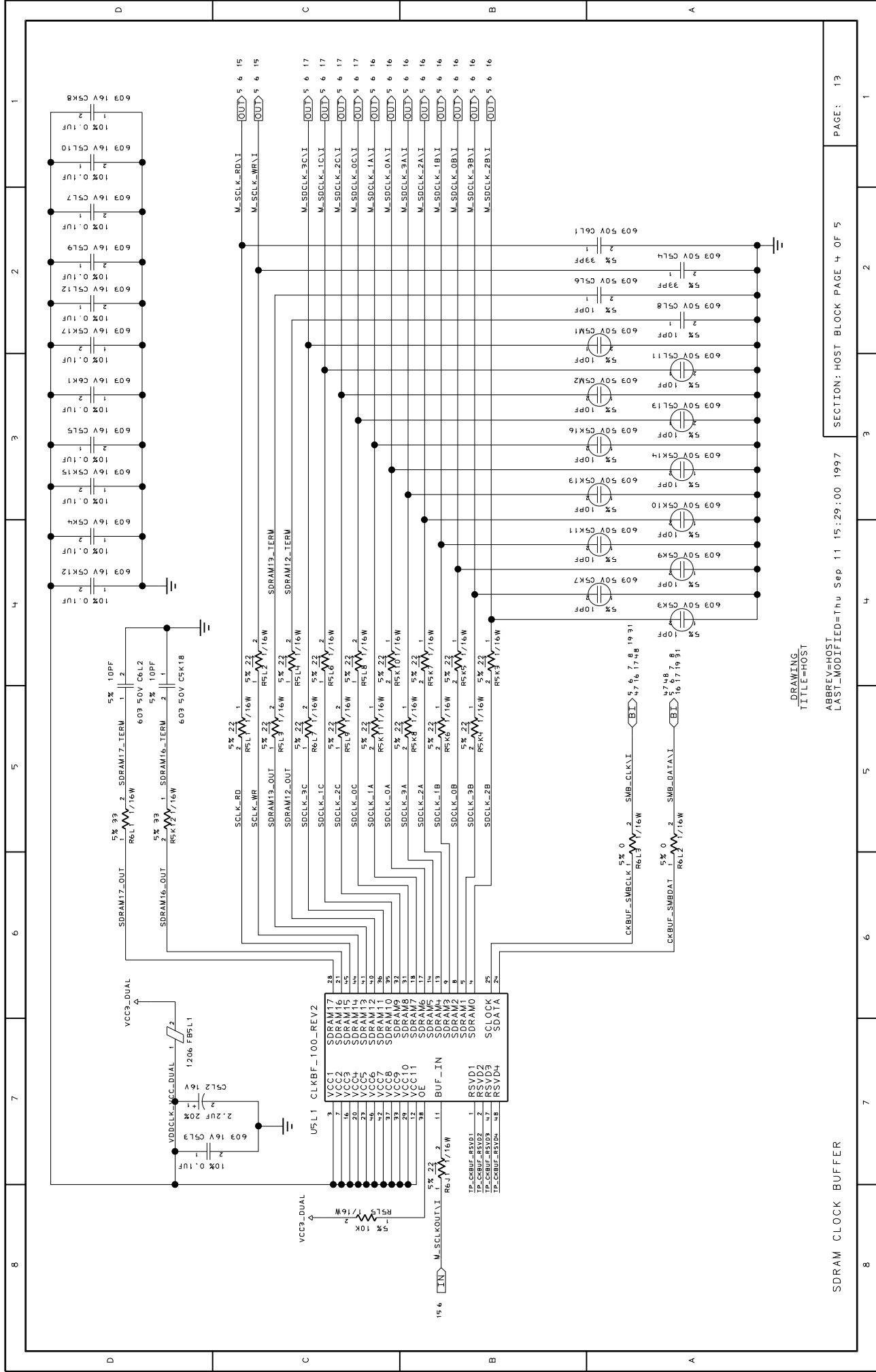
ABBREV=HOST
LAST_MODIFIED=Thu Sep 11 15:28:50 1997

SLOT1 CONNECTOR

PAGE: 10







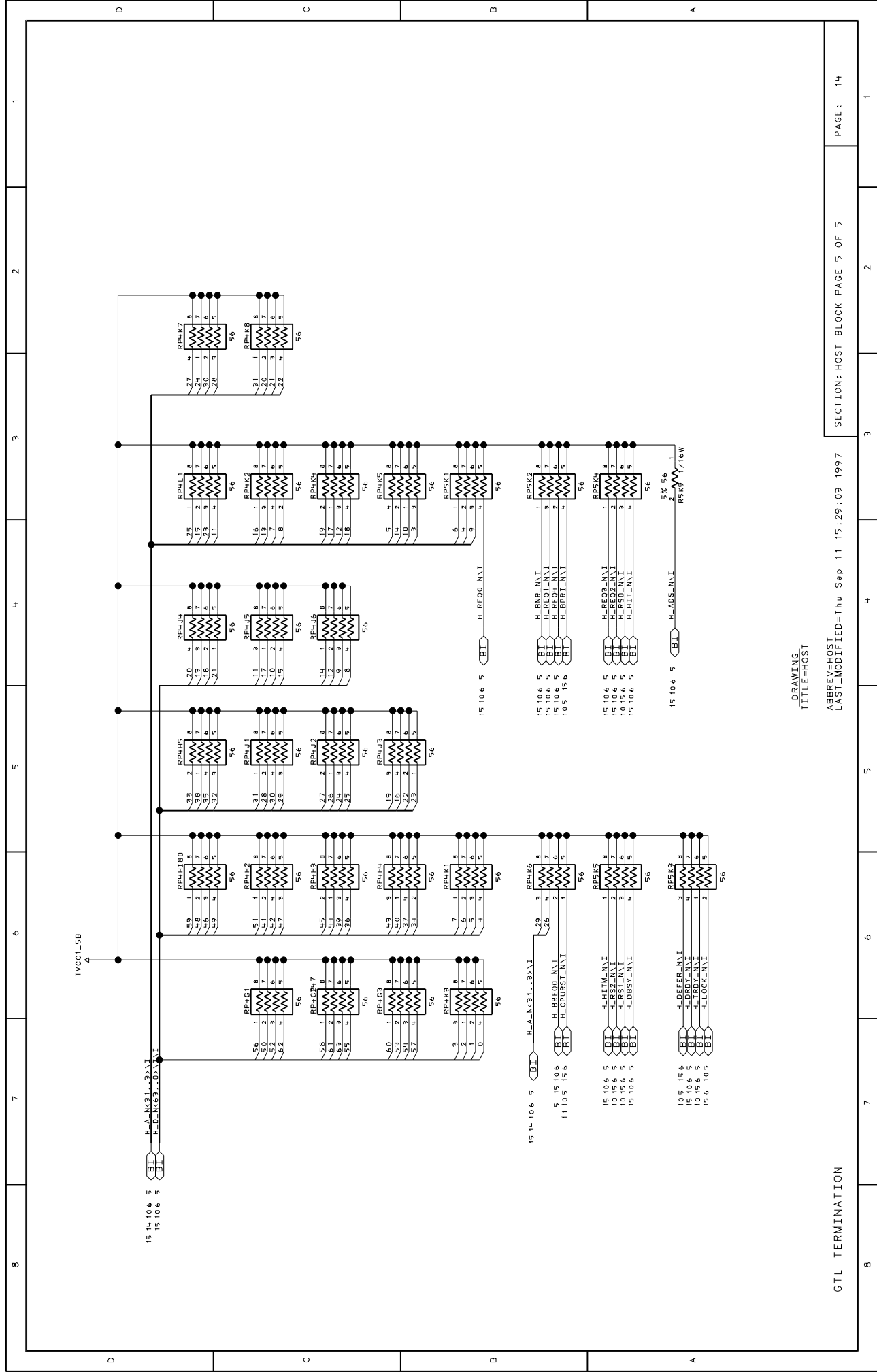
DRAWING
TITLE=HOST

ABBREV=HOST
LAST_MODIFIED=Thu Sep 11 15:29:00 1997

SDRAM CLOCK BUFFER

SECTION: HOST BLOCK PAGE 4 OF 5

PAGE: 13



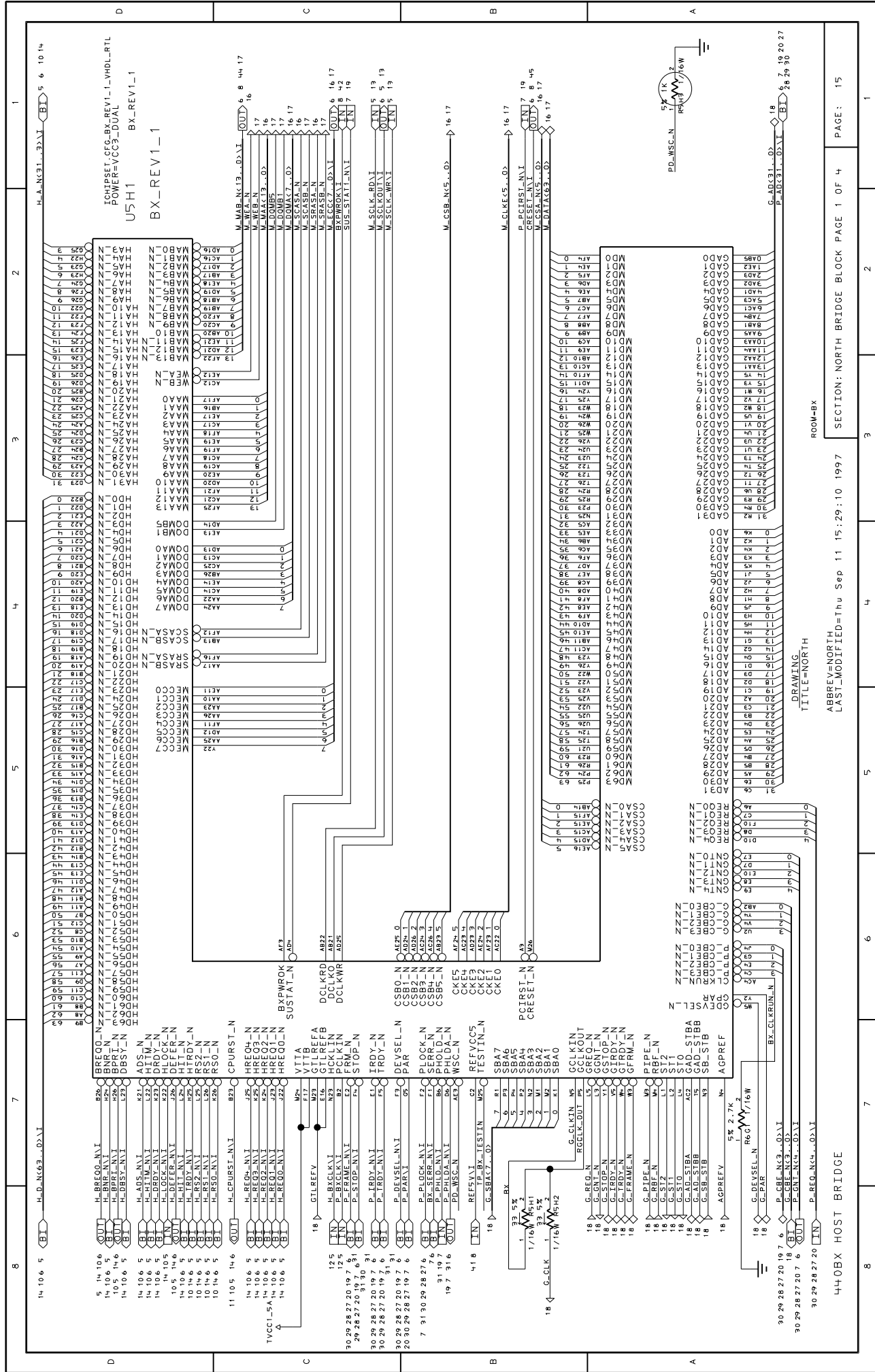
DRAWING
TITLE=HOST

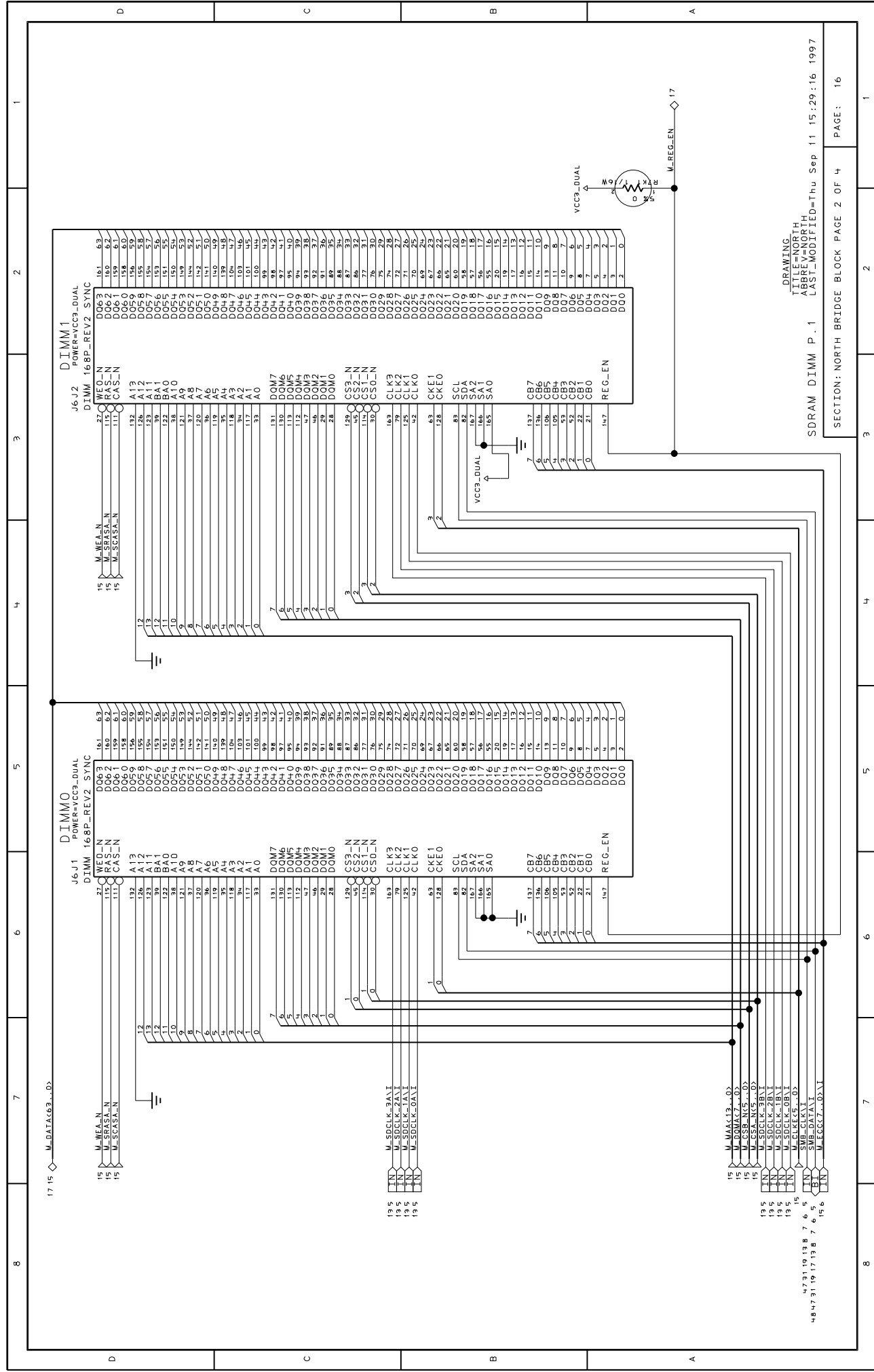
ABBREV=HOST
LAST_MODIFIED=Thu Sep 11 15:29:03 1997

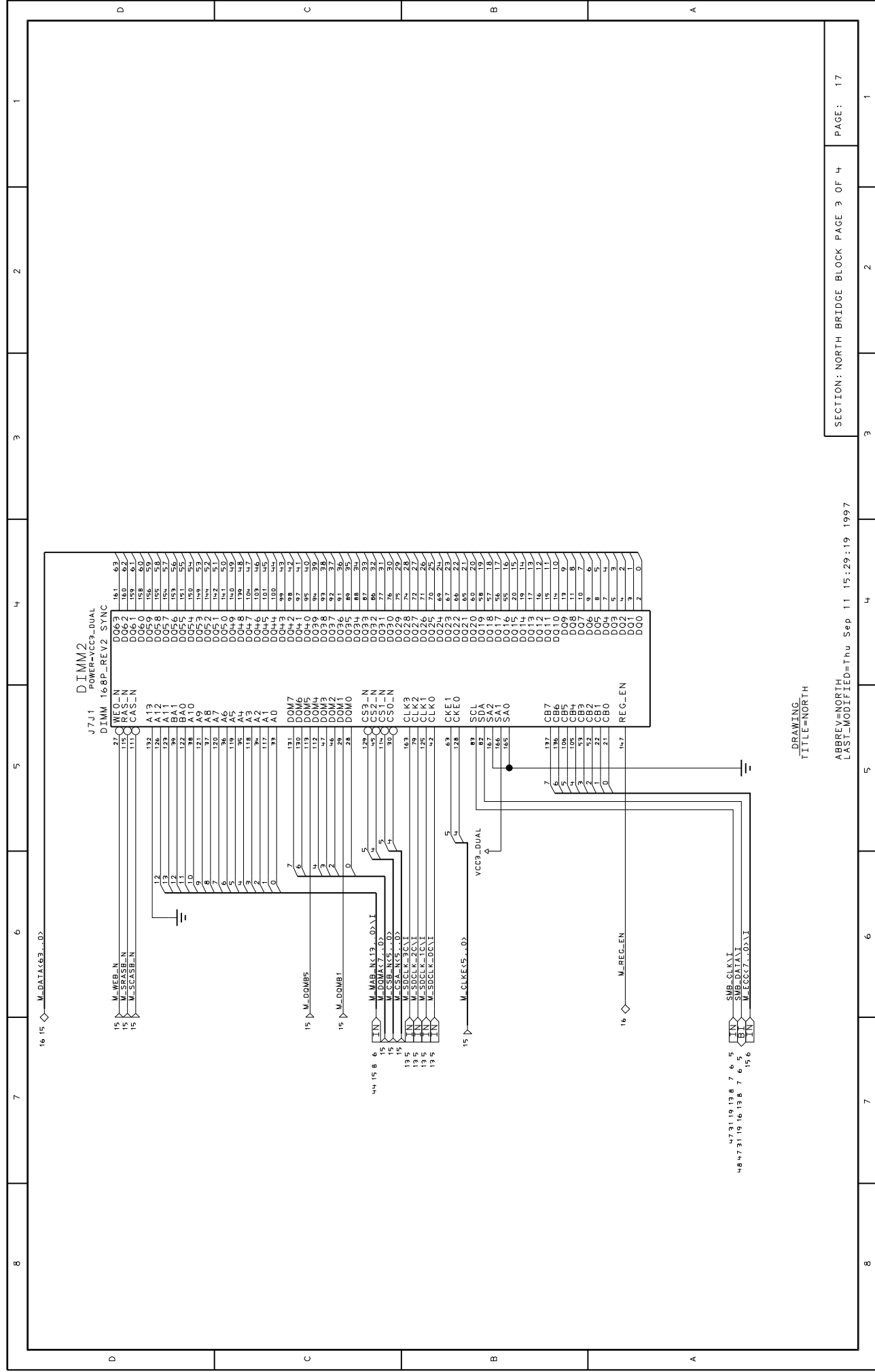
GTL TERMINATION

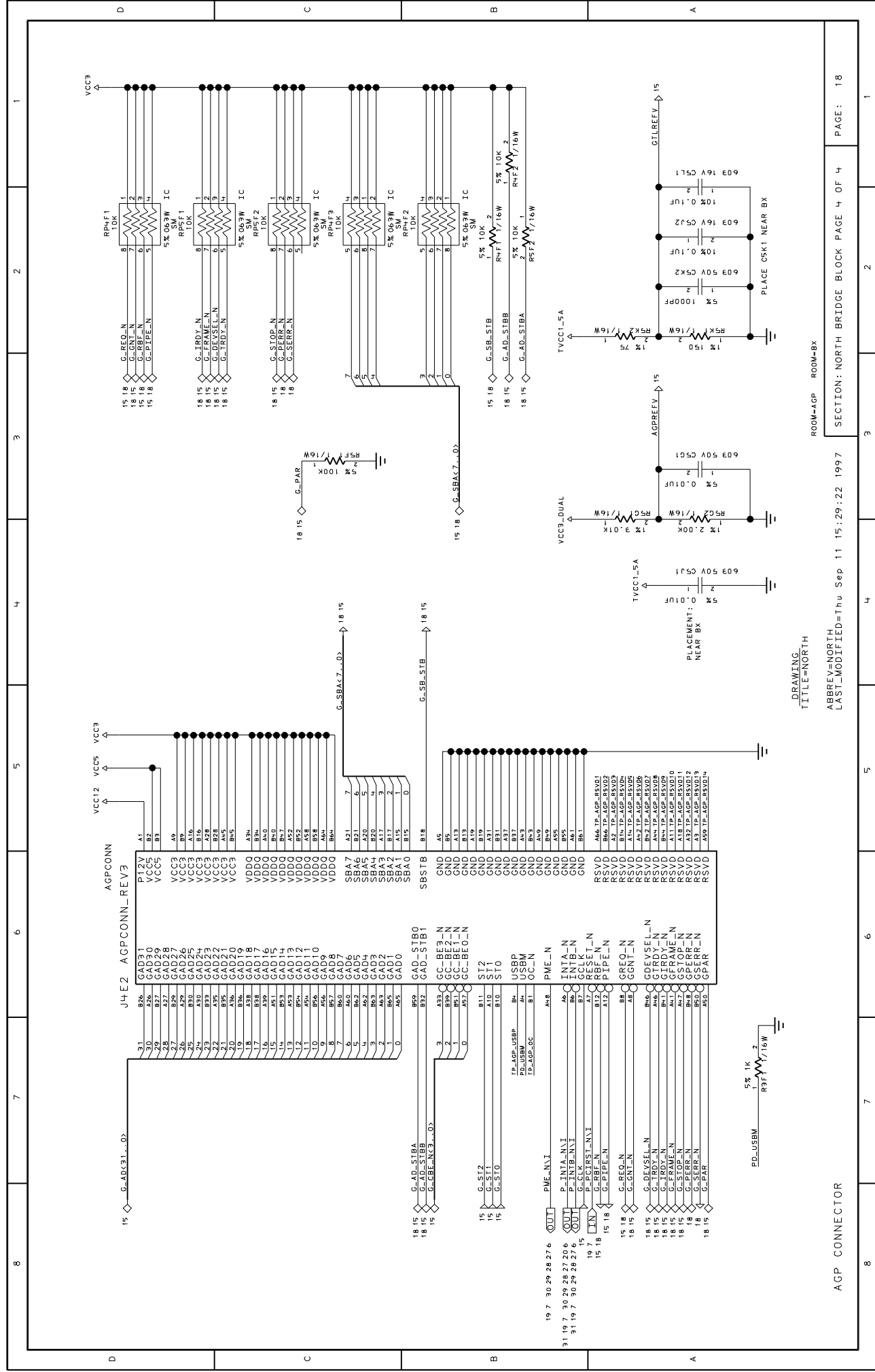
SECTION: HOST BLOCK PAGE 5 OF 5

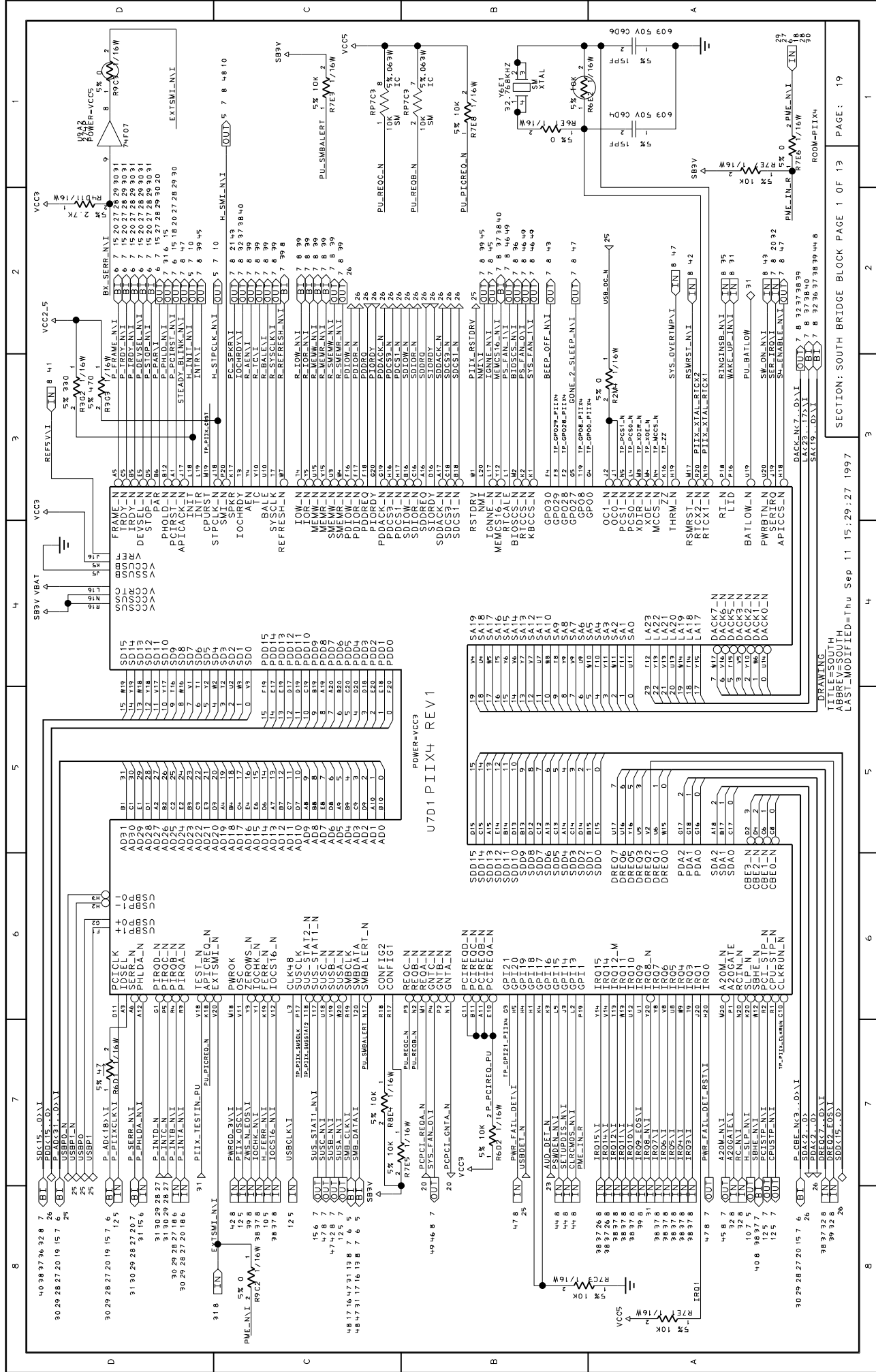
PAGE: 14

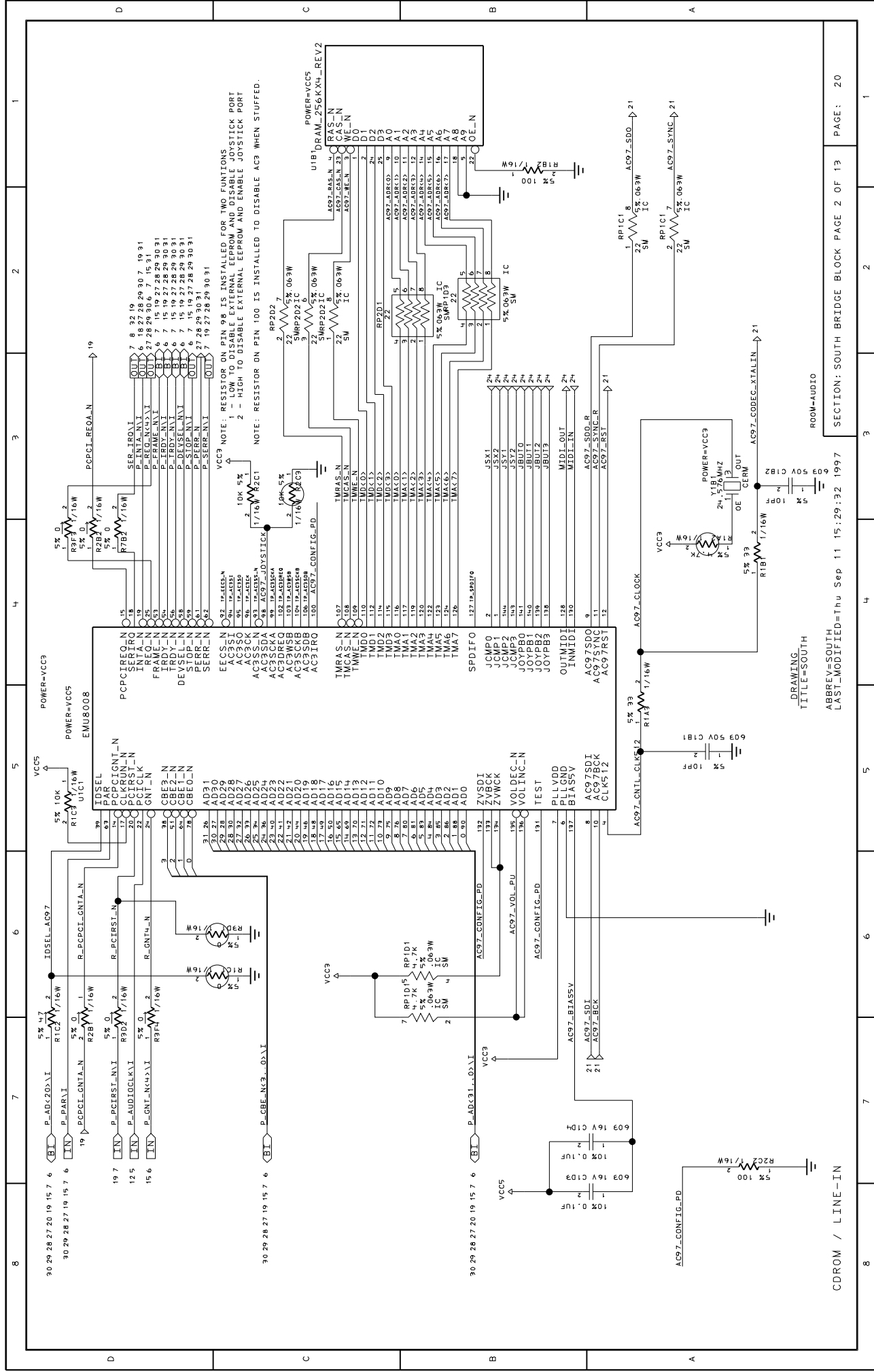


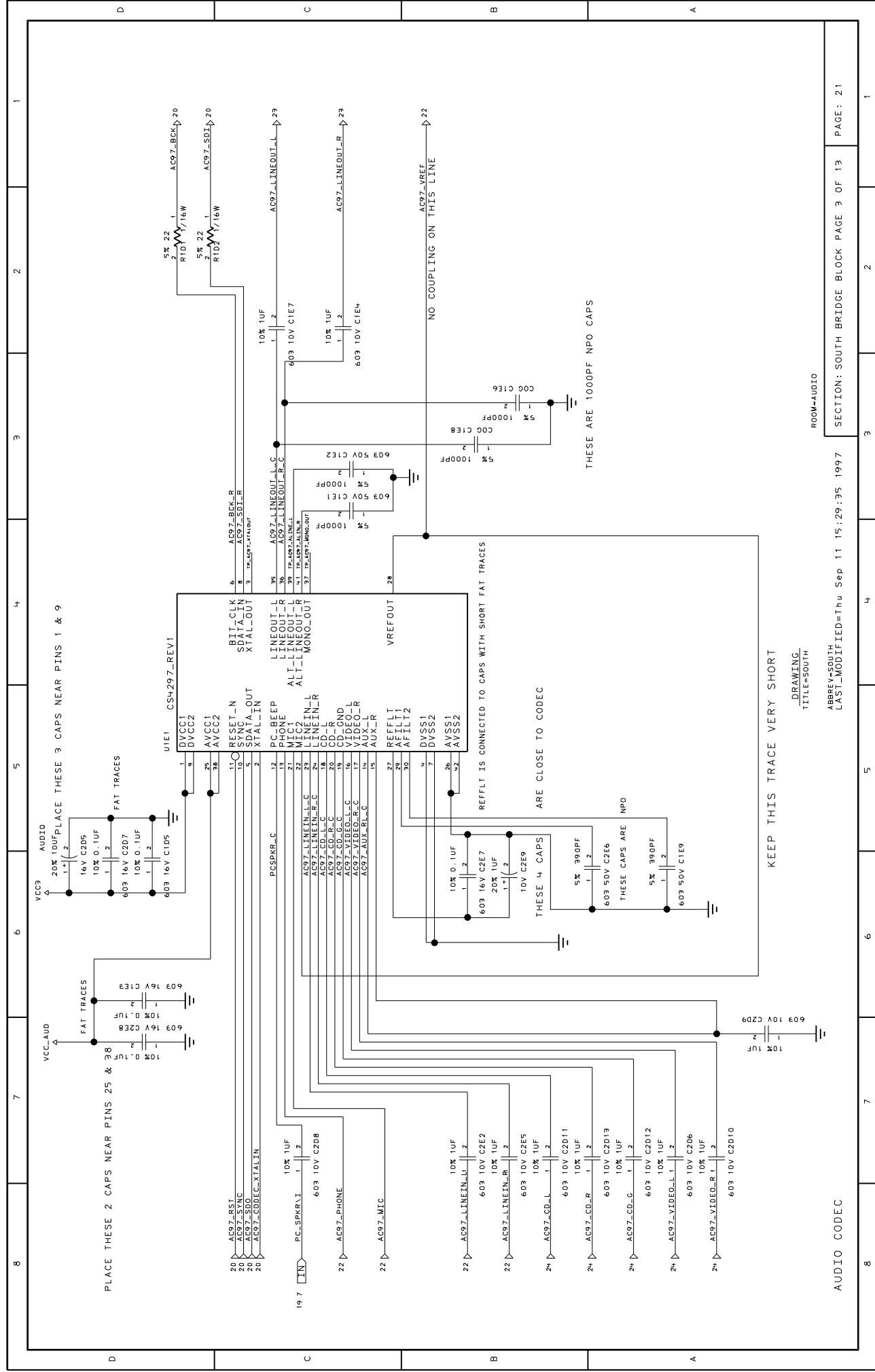


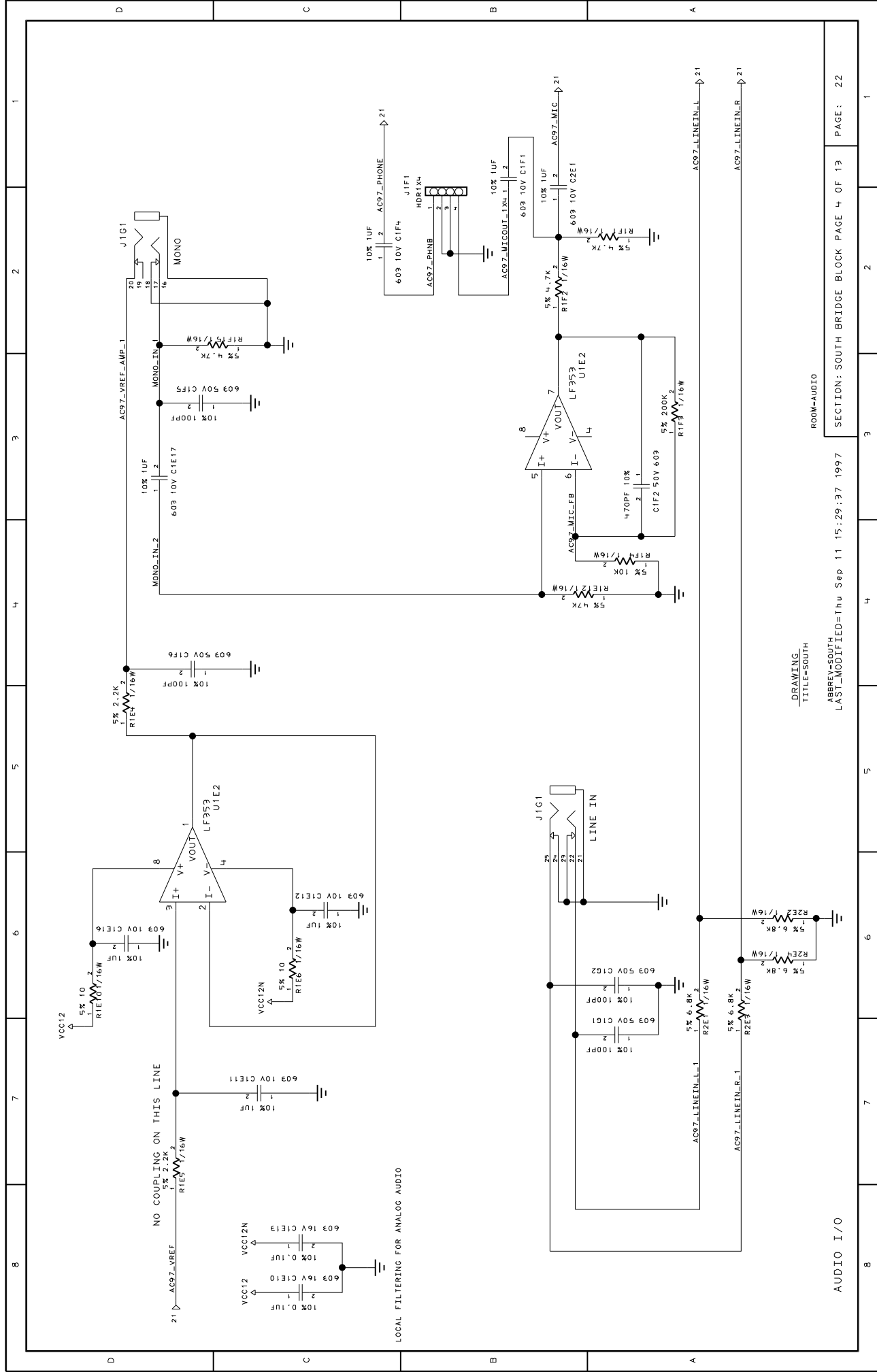


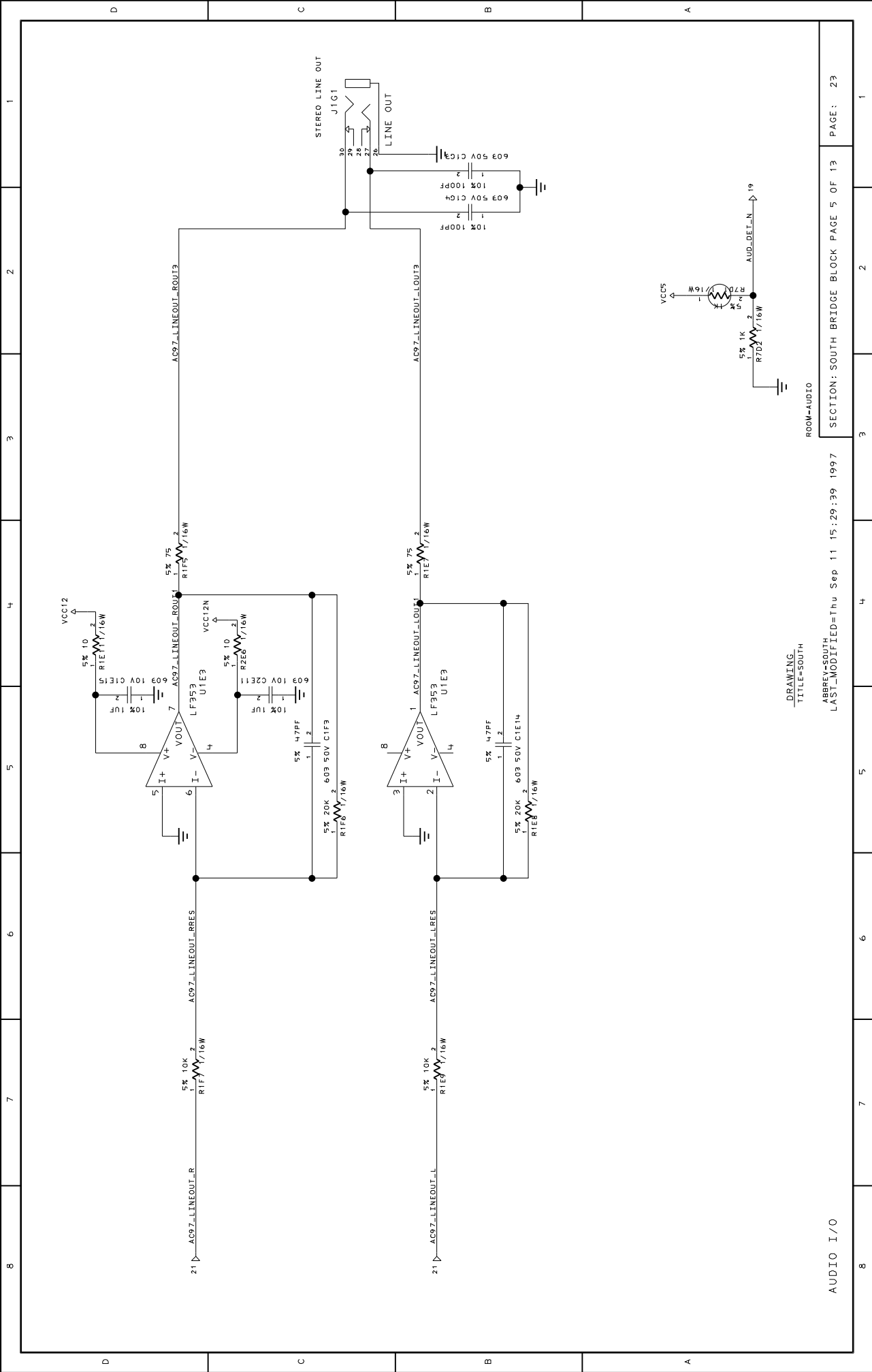












DRAWING
TITLE=SOUTH

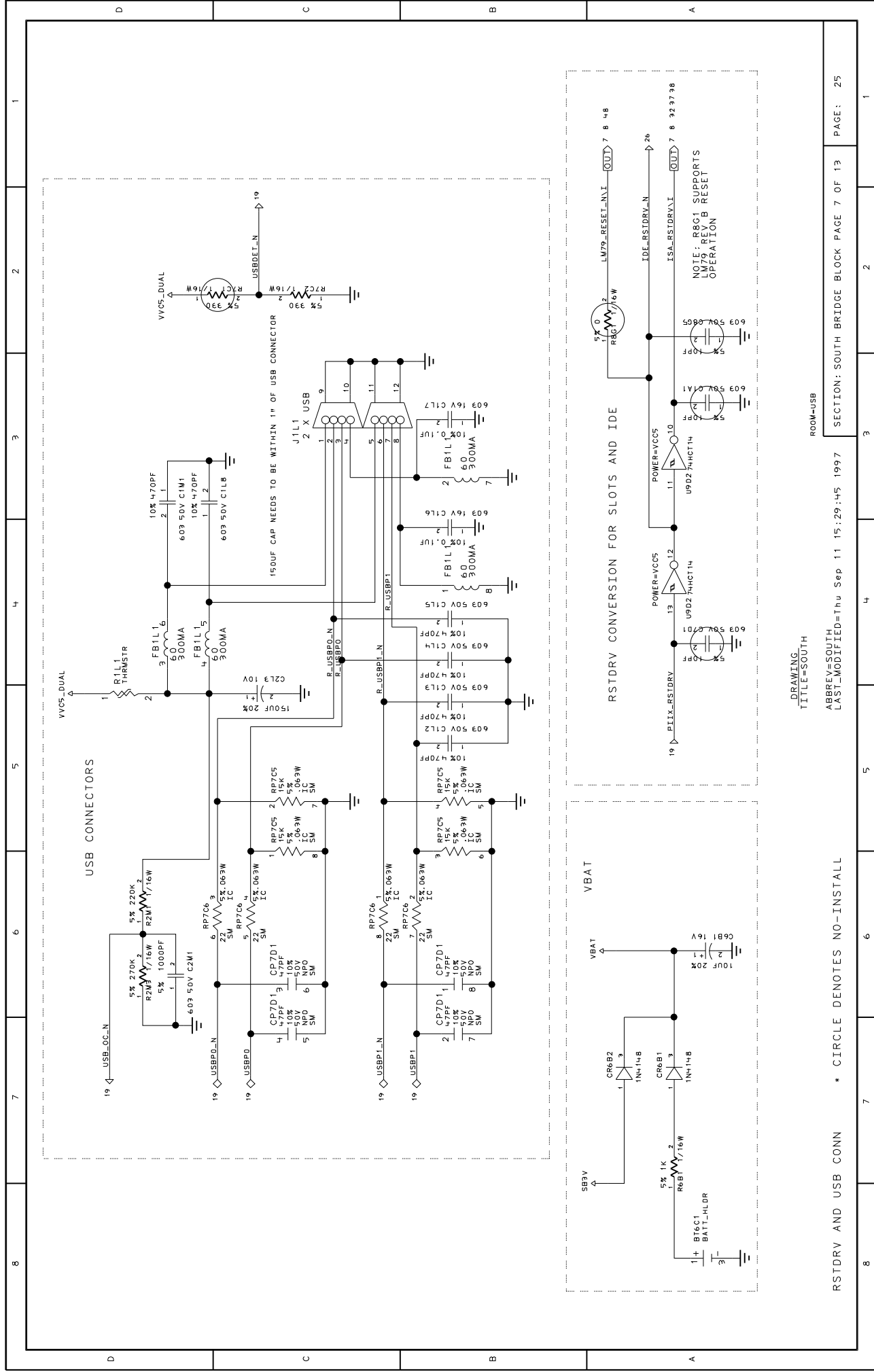
ABBREV=SOUTH
LAST_MODIFIED=Thu Sep 11 15:29:39 1997

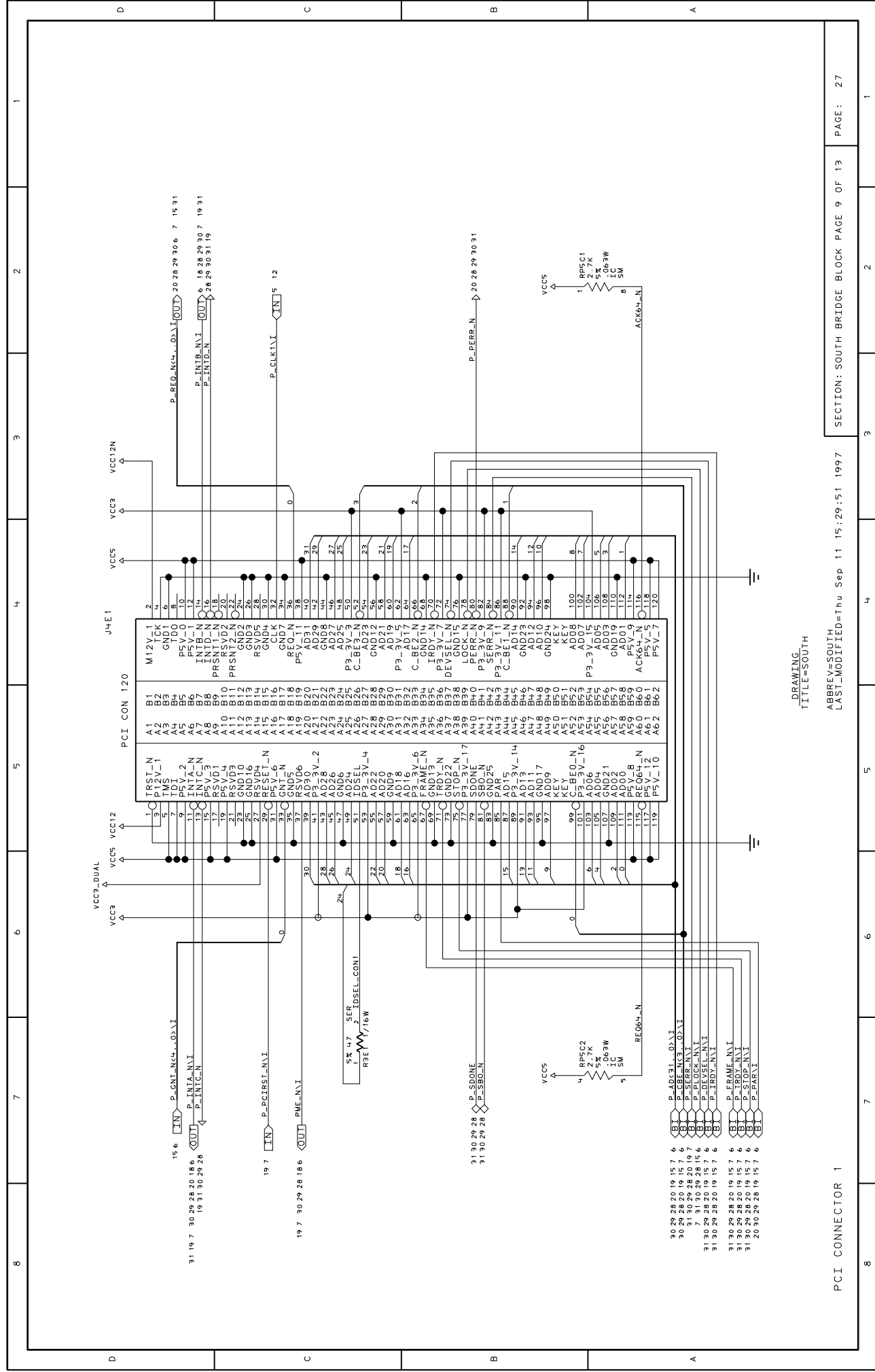
ROOM-AUDIO

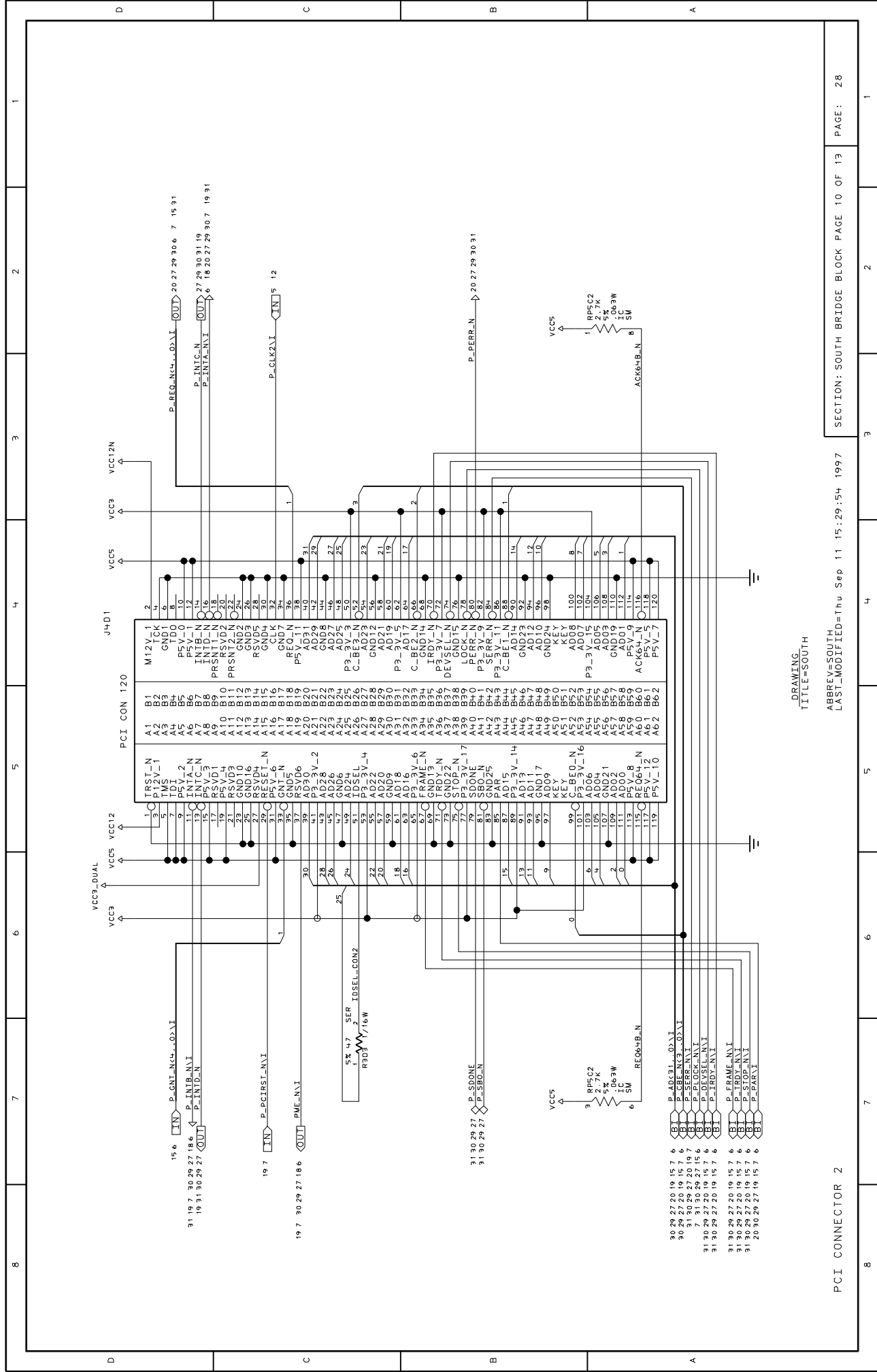
SECTION: SOUTH BRIDGE BLOCK PAGE 5 OF 13

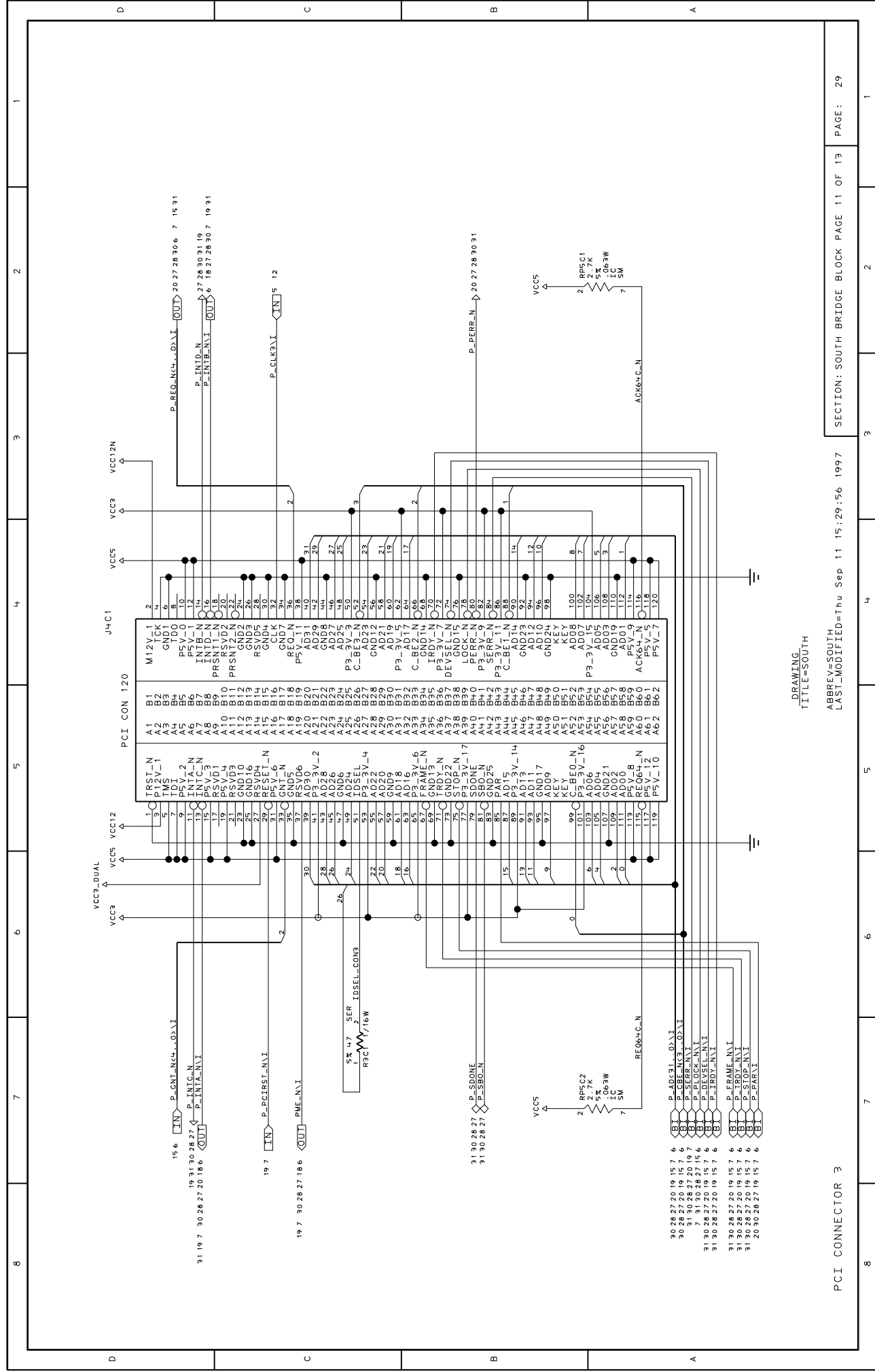
PAGE: 23

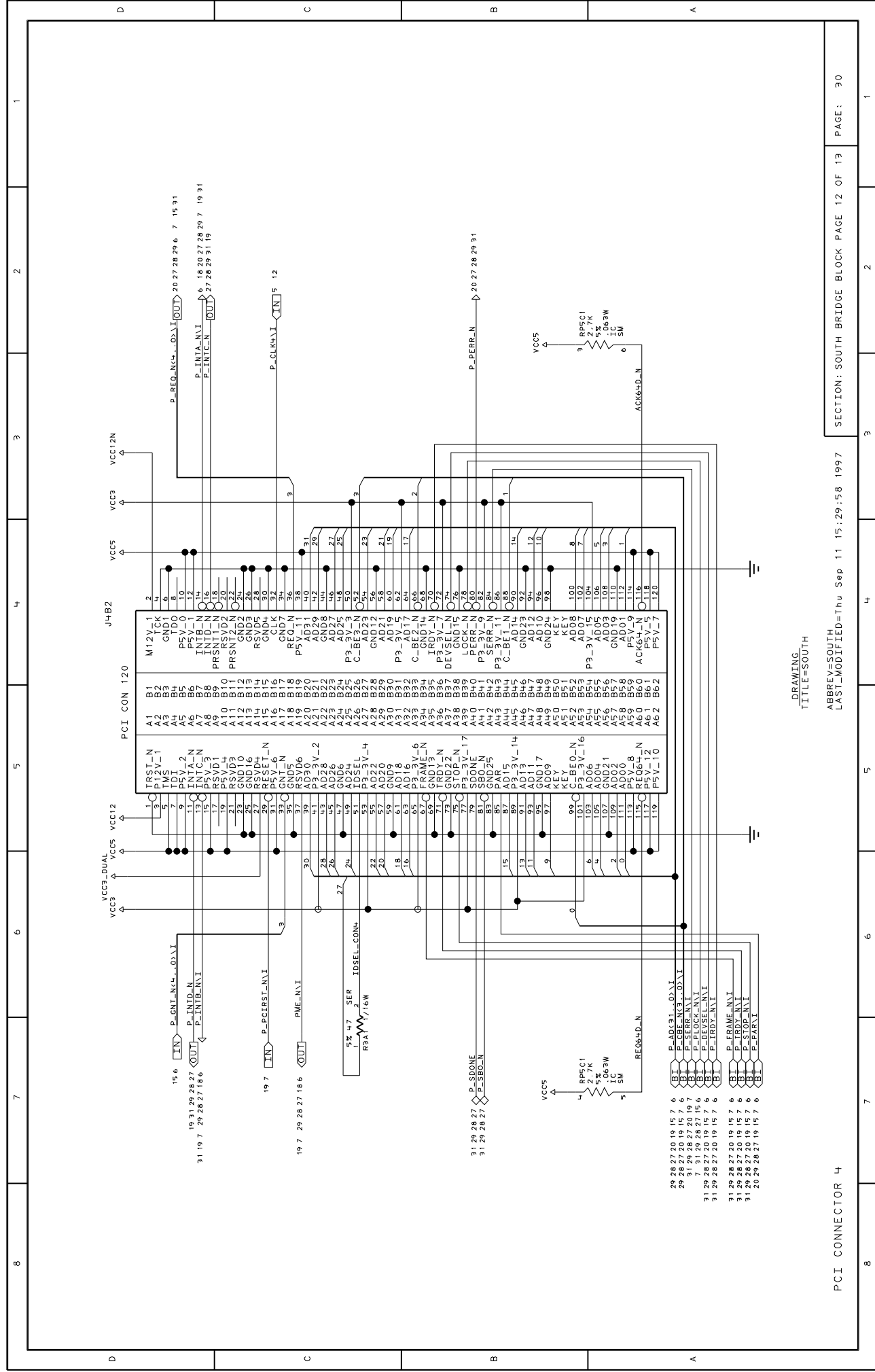
AUDIO I/O

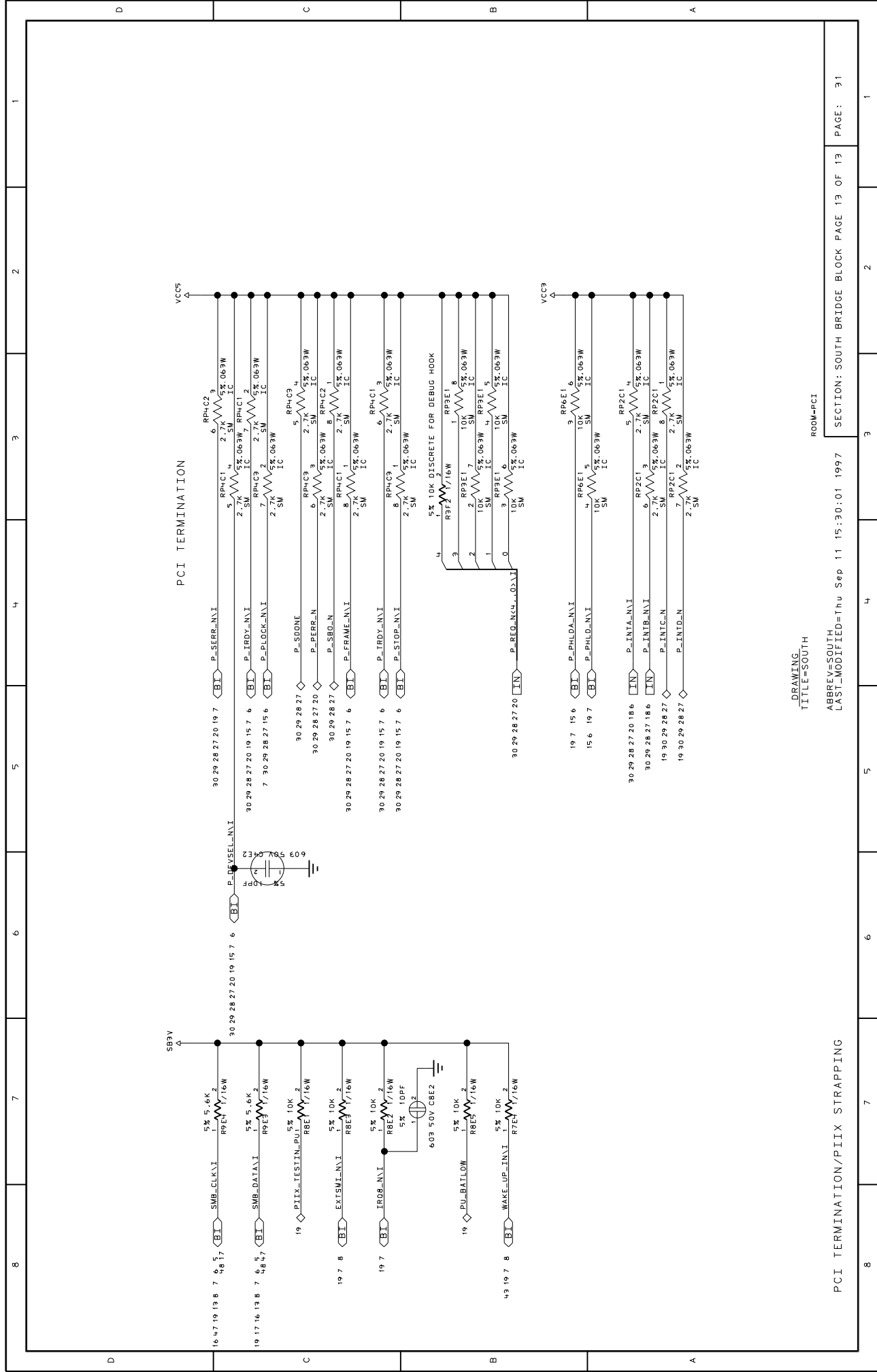


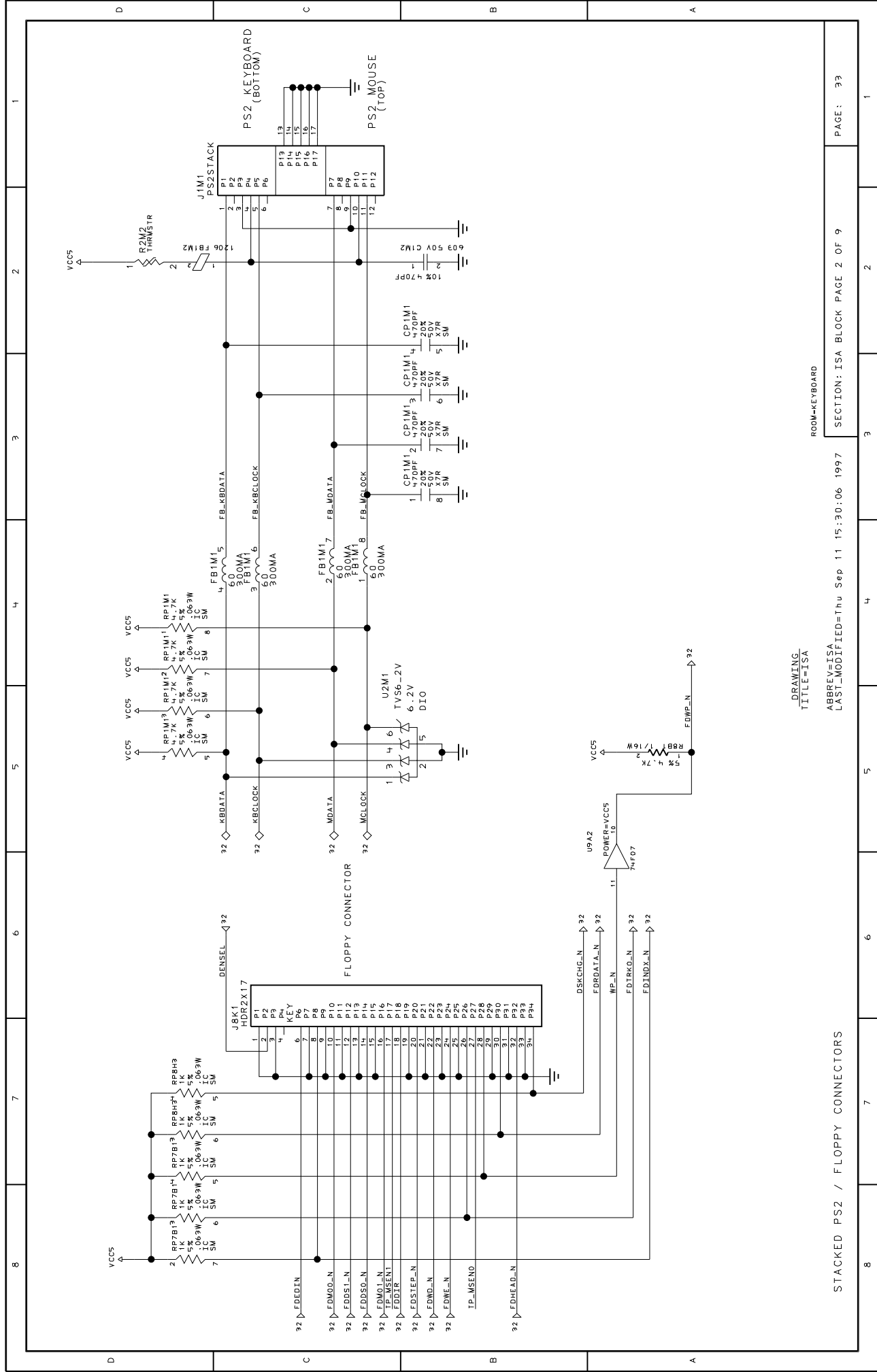


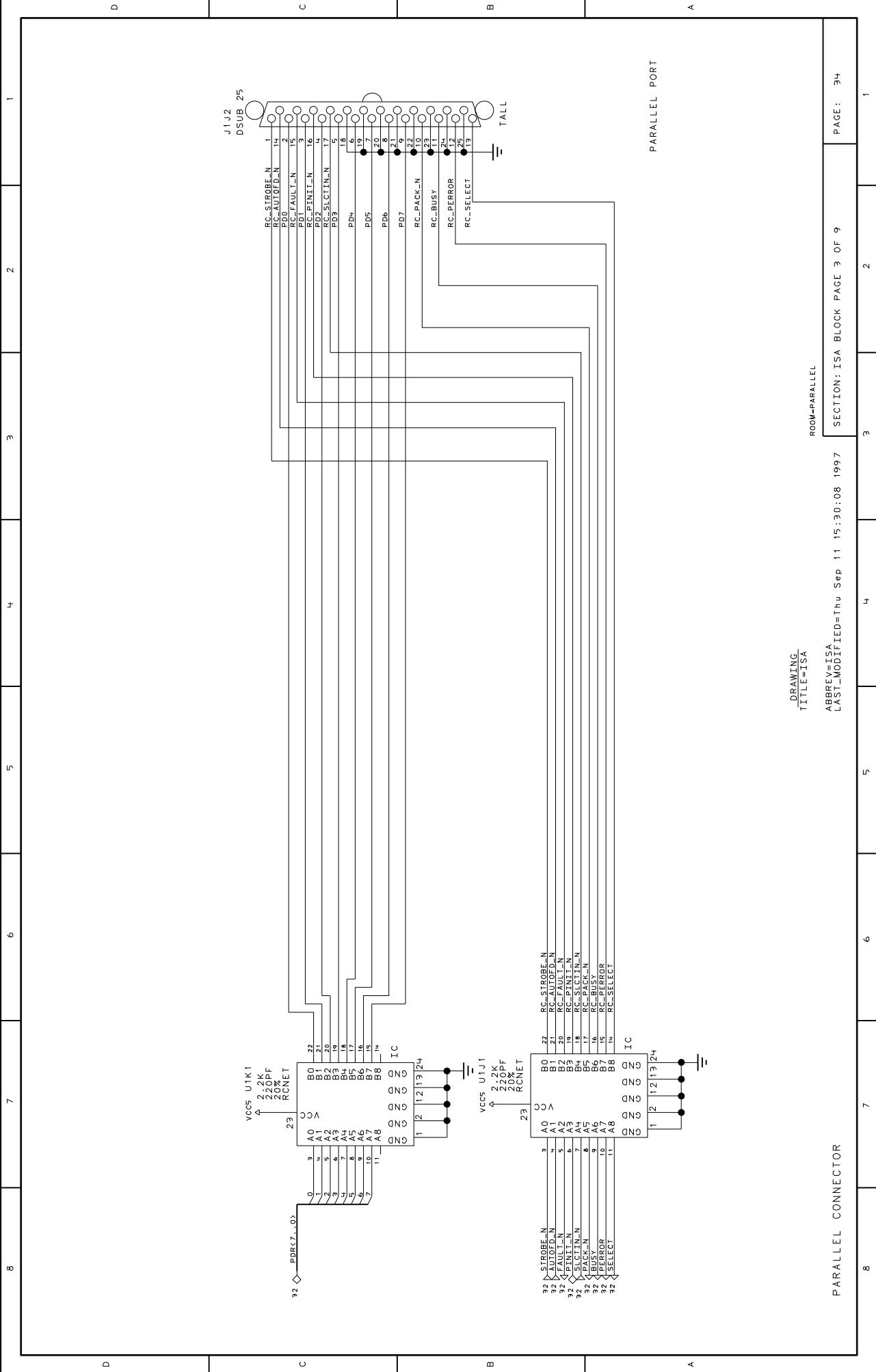












DRAWING
TITLE=ISA

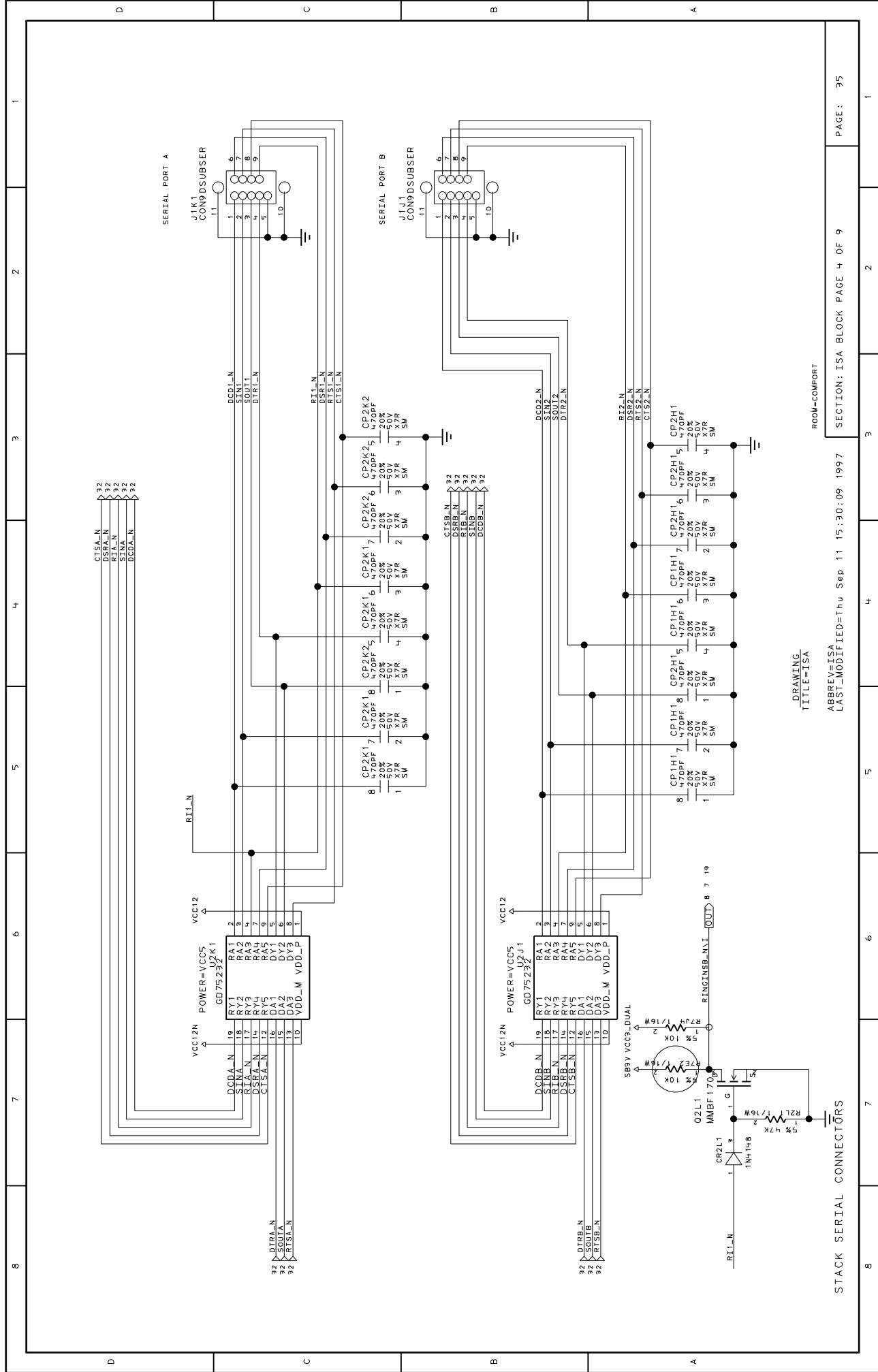
ABBREV=ISA
LAST_MODIFIED=Thu Sep 11 15:30:08 1997

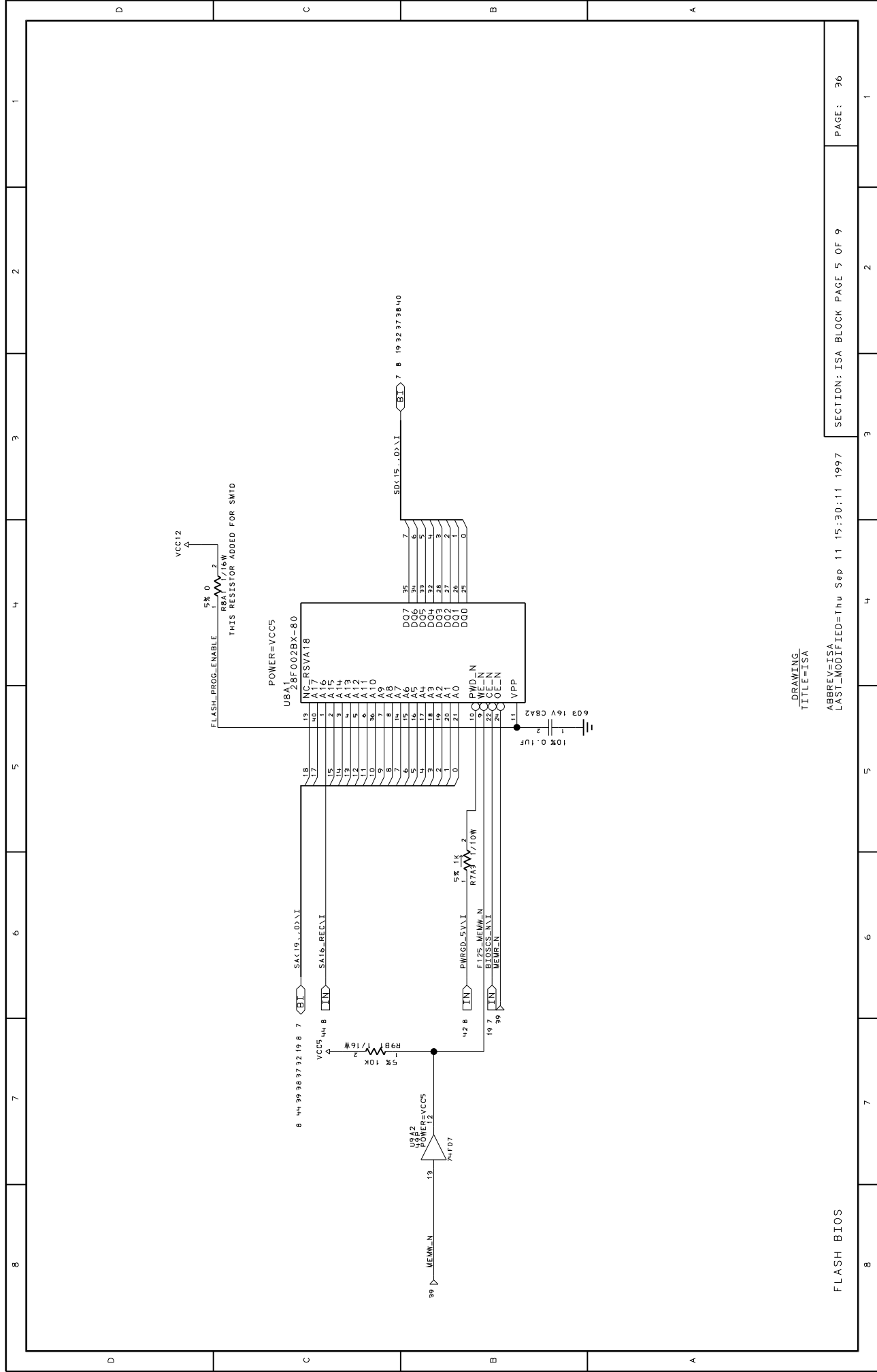
ROOM=PARALLEL

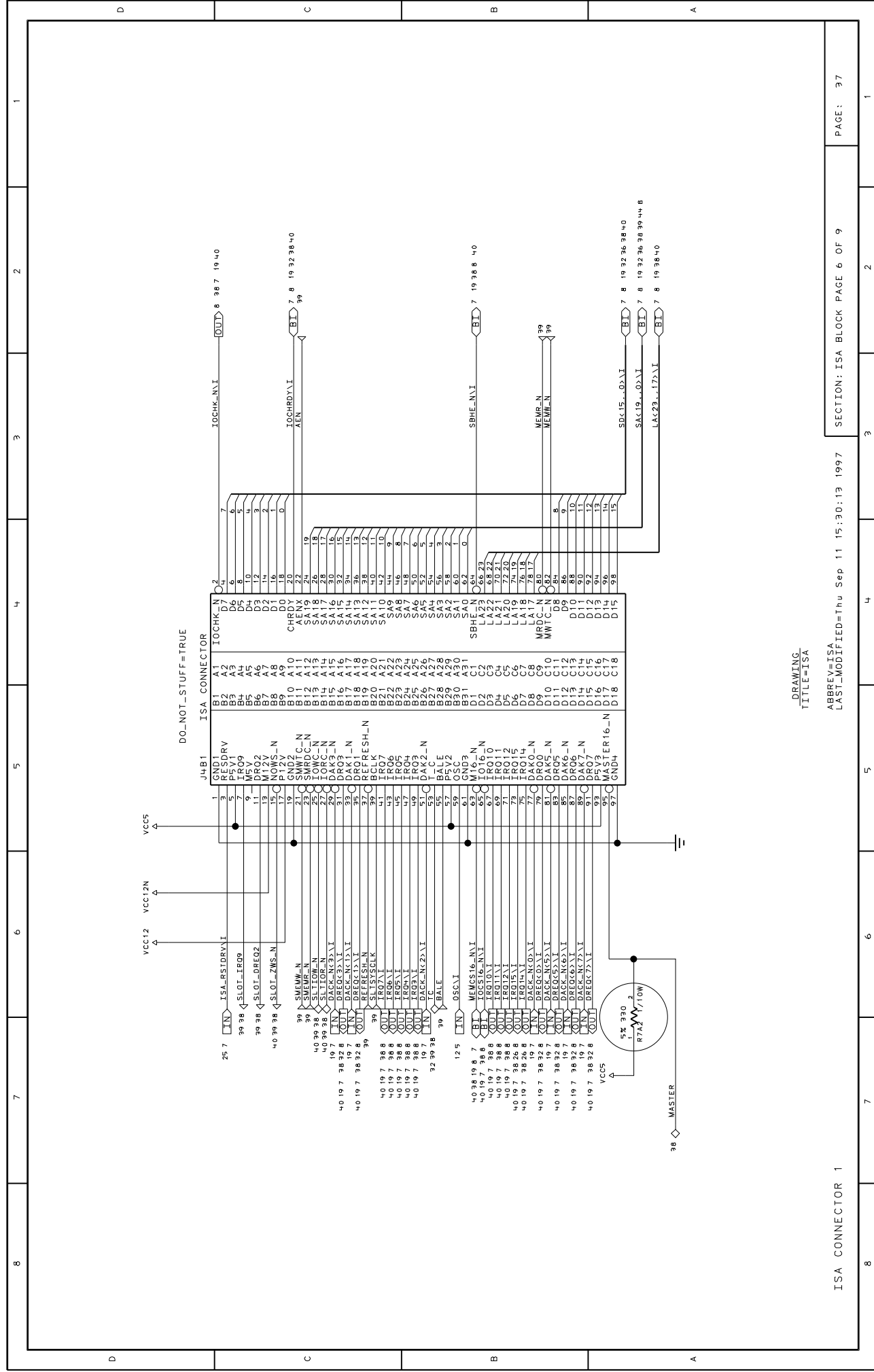
PARALLEL CONNECTOR

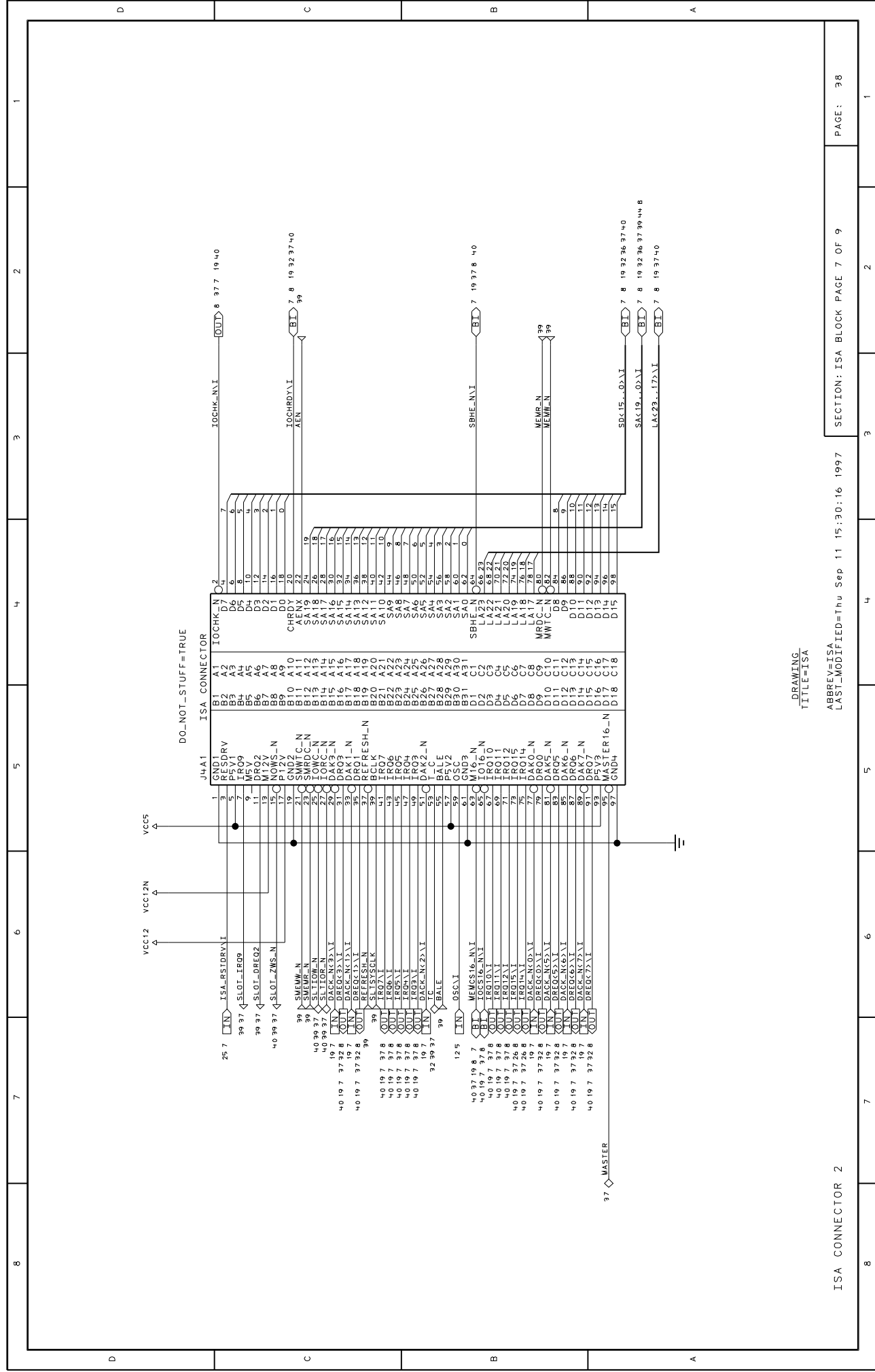
SECTION: ISA BLOCK PAGE 3 OF 9

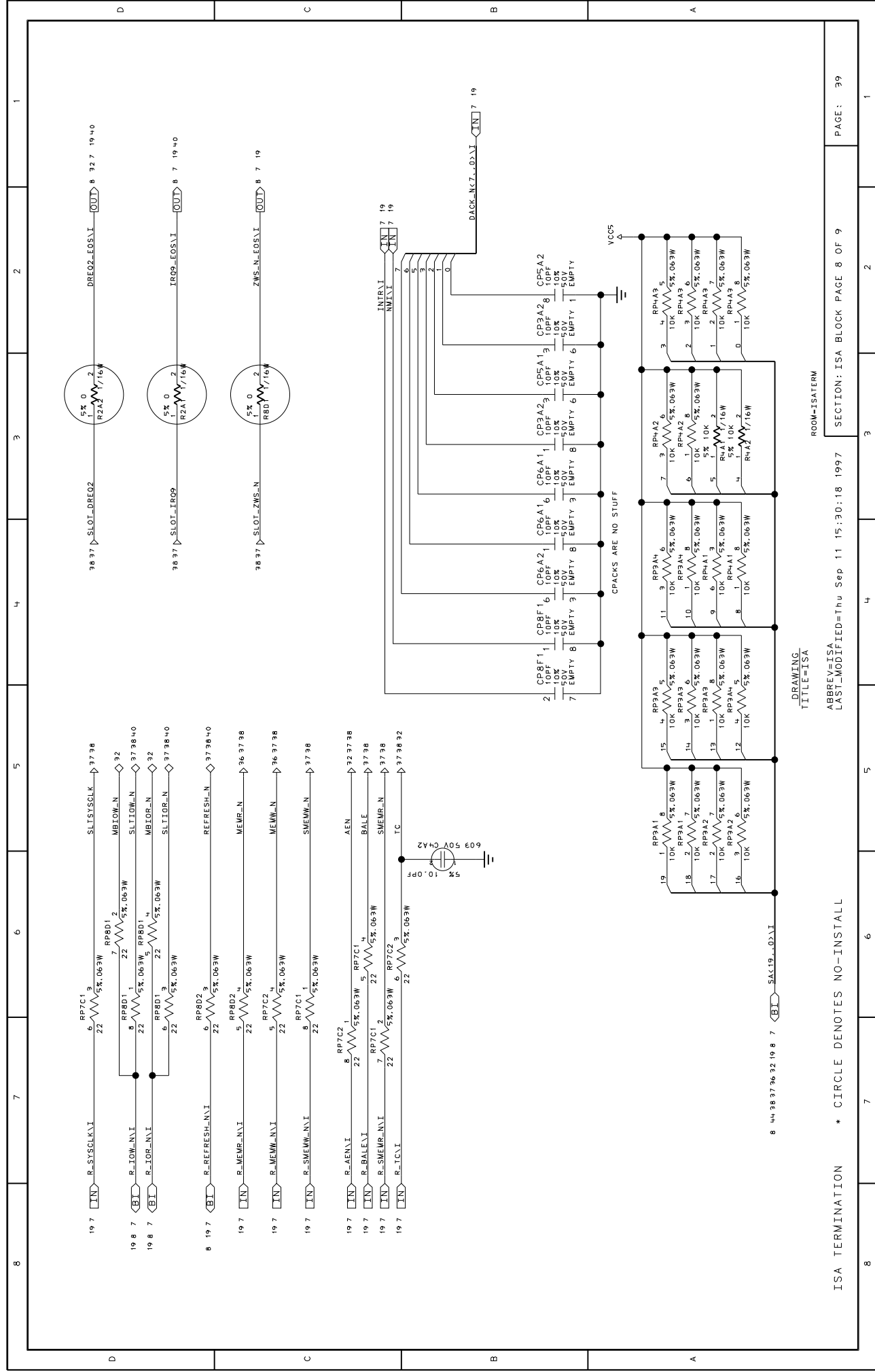
PAGE: 34

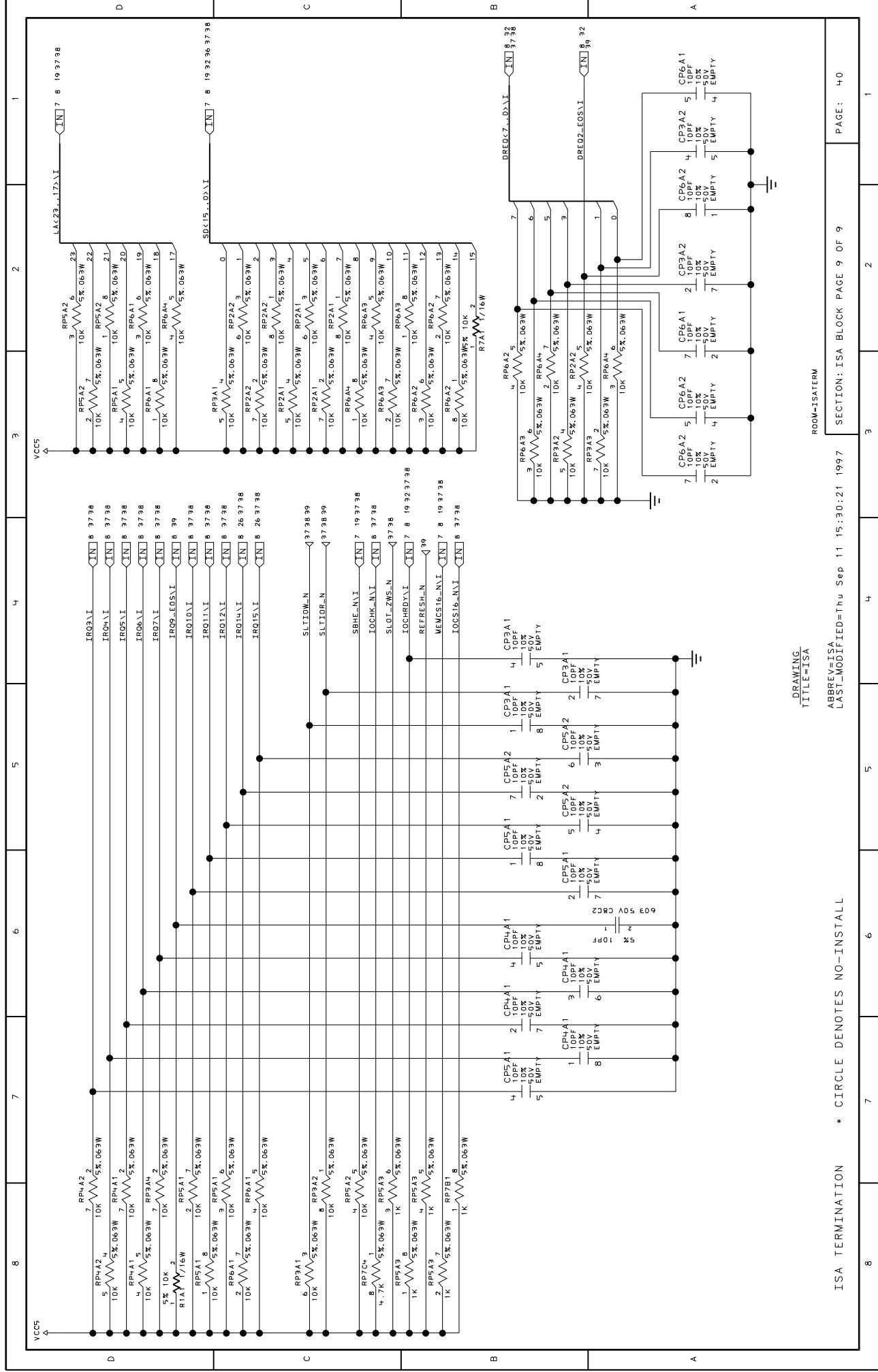


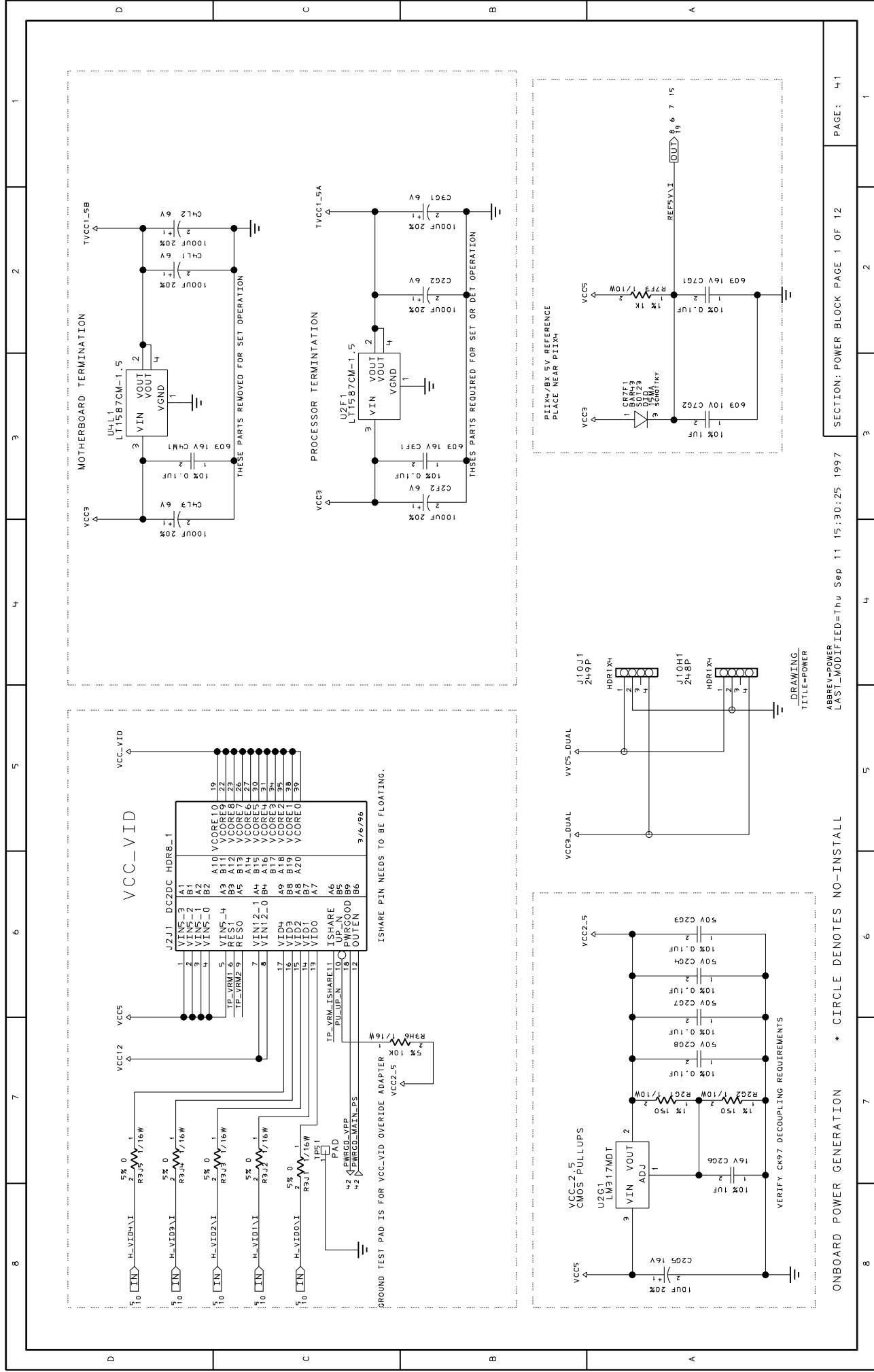


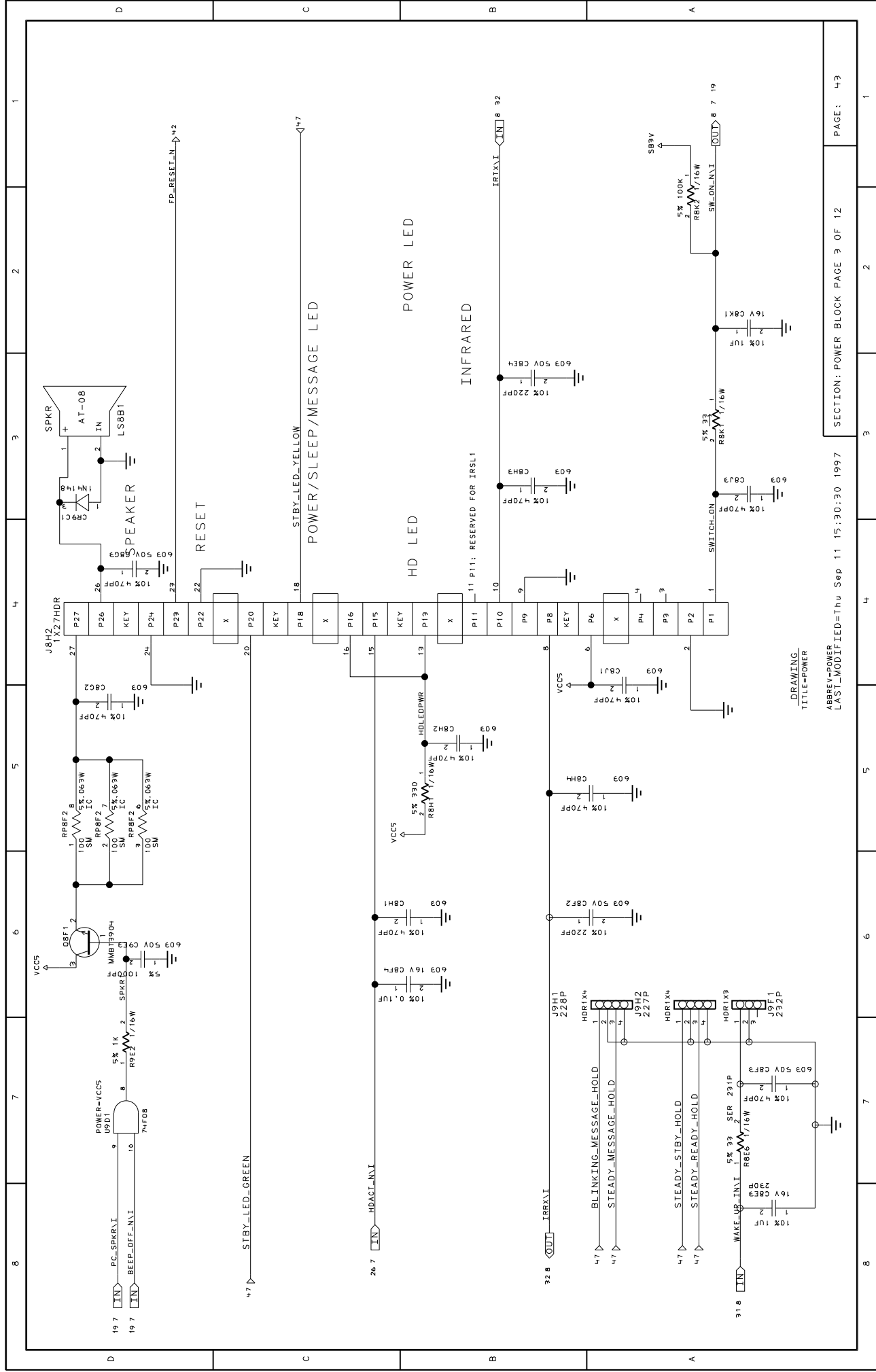












DRAWING
TITLE=POWER

ABBREV=POWER
LAST_MODIFIED=Thu Sep 11 15:30:30 1997

SECTION: POWER BLOCK PAGE 3 OF 12

PAGE: 43

BUS/CORE FREQUENCY TABLE

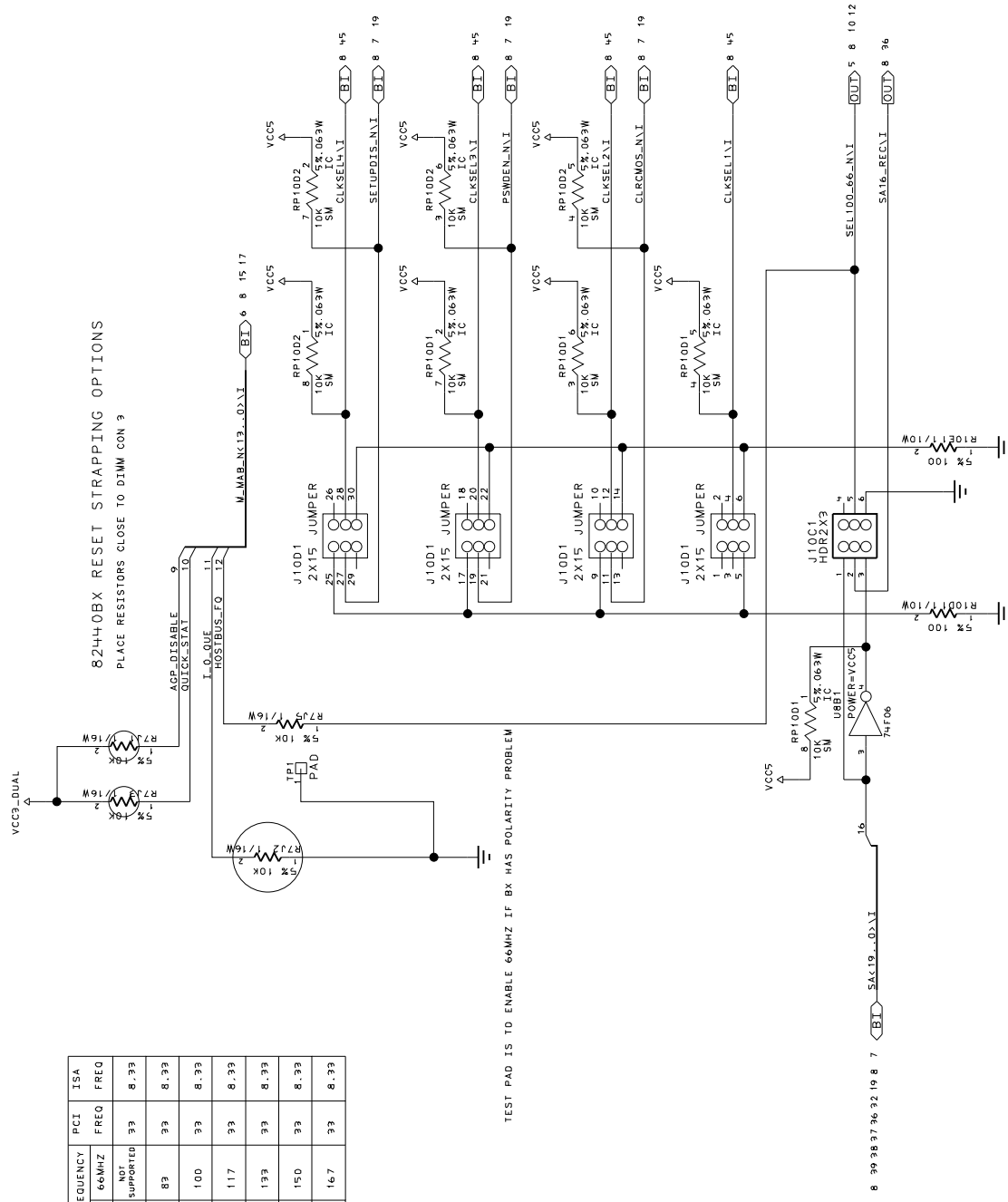
RATIO	CLKSEL1 FREQ	CLKSEL2 INTR	CLKSEL3 A20MHz	CLKSEL4 NMI	FSB FREQUENCY 100MHz	BSB FREQUENCY 66MHz	BSB FREQUENCY 100MHz	PCI FREQ	ISA FREQ
2/1	4-6	12-14	20-22	28-30	200	NOT SUPPORTED	100	NOT SUPPORTED	8.33
5/2	4-6	10-12	20-22	28-30	250	166	125	83	8.33
3/1	2-4	12-14	20-22	28-30	300	200	150	100	8.33
7/2 *	2-4	10-12	20-22	28-30	350	233	175	117	8.33
4/1	4-6	12-14	18-20	28-30	400	266	200	133	8.33
9/2	4-6	10-12	18-20	28-30	450	300	225	150	8.33
5/1	2-4	12-14	18-20	28-30	NOT SUPPORTED	333	NOT SUPPORTED	167	8.33

OTHER COMBINATIONS ARE RESERVED

CONFIGURATION SELECTION TABLE

FEATURE	FUNCTION	JUMPER SETTING
SETUP	DISABLE	25-27
	ENABLE	27-29 *
PASSWORD	ALLOW	19-21 *
	DISABLE	17-19
CMOS	NORMAL	11-13 *
	CLEAR	9-11
RECOVERY	NORMAL	2-3 *
	RECOVER	1-2

FACTORY DEFAULT SHOWN WITH *



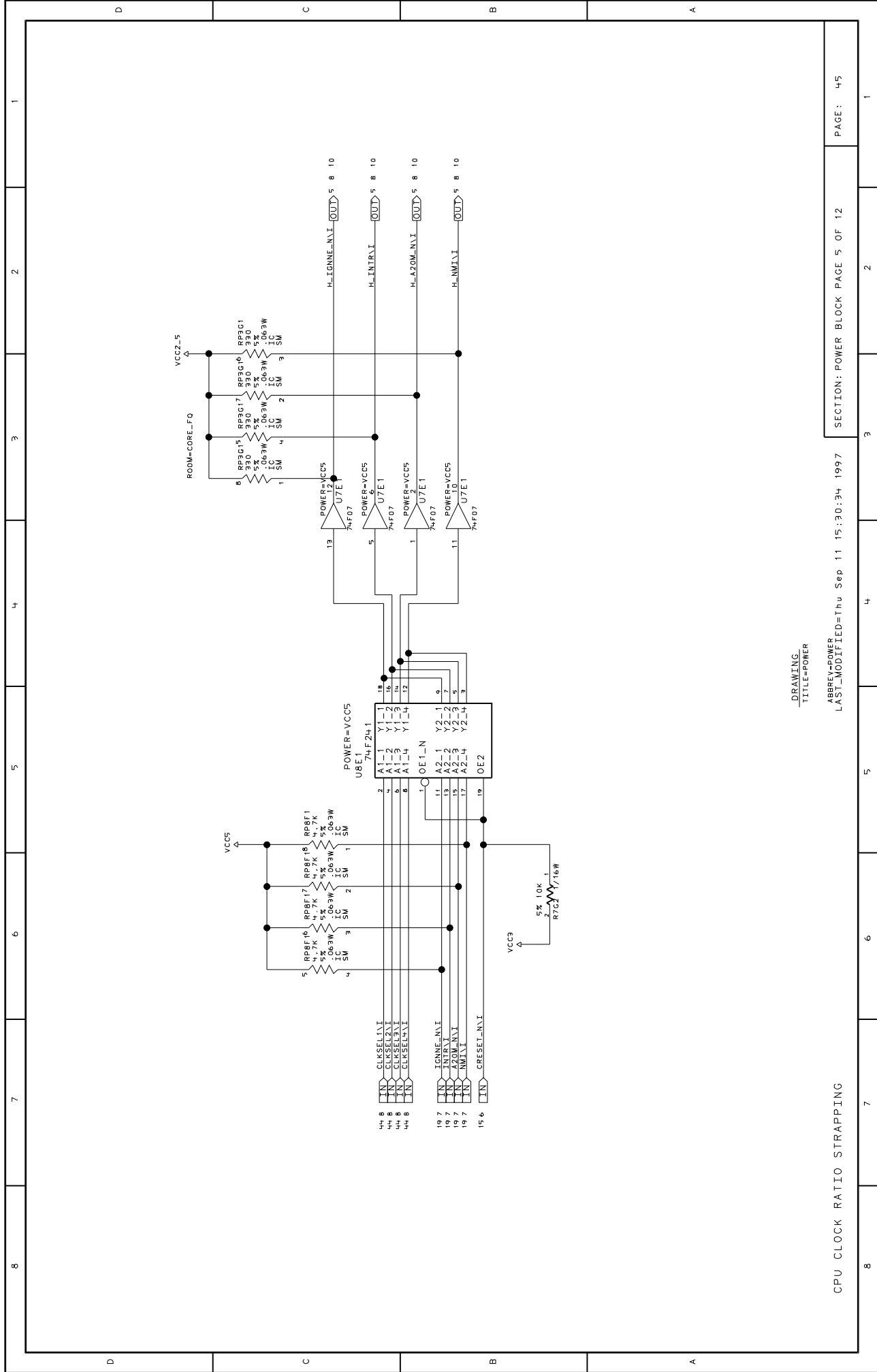
DRAWING
TITLE-POWER

CHIPSET/CORE STRAPPING/BIOS SELECT

ABBREV=POWER
LAST_MODIFIED=Thu Sep 11 15:30:32 1997

SECTION: POWER BLOCK PAGE 4 OF 12

PAGE: 44



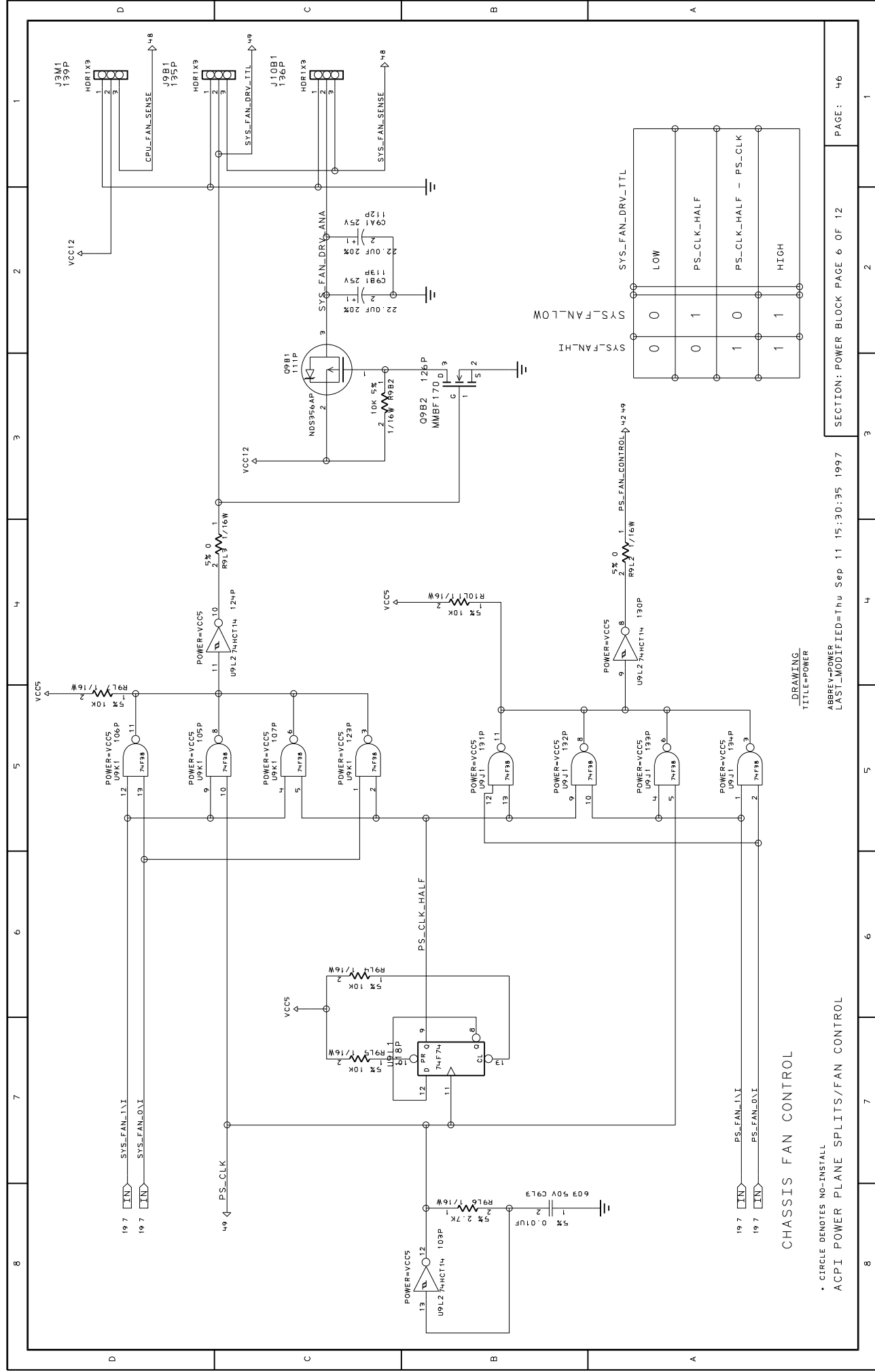
DRAWING
TITLE=POWER

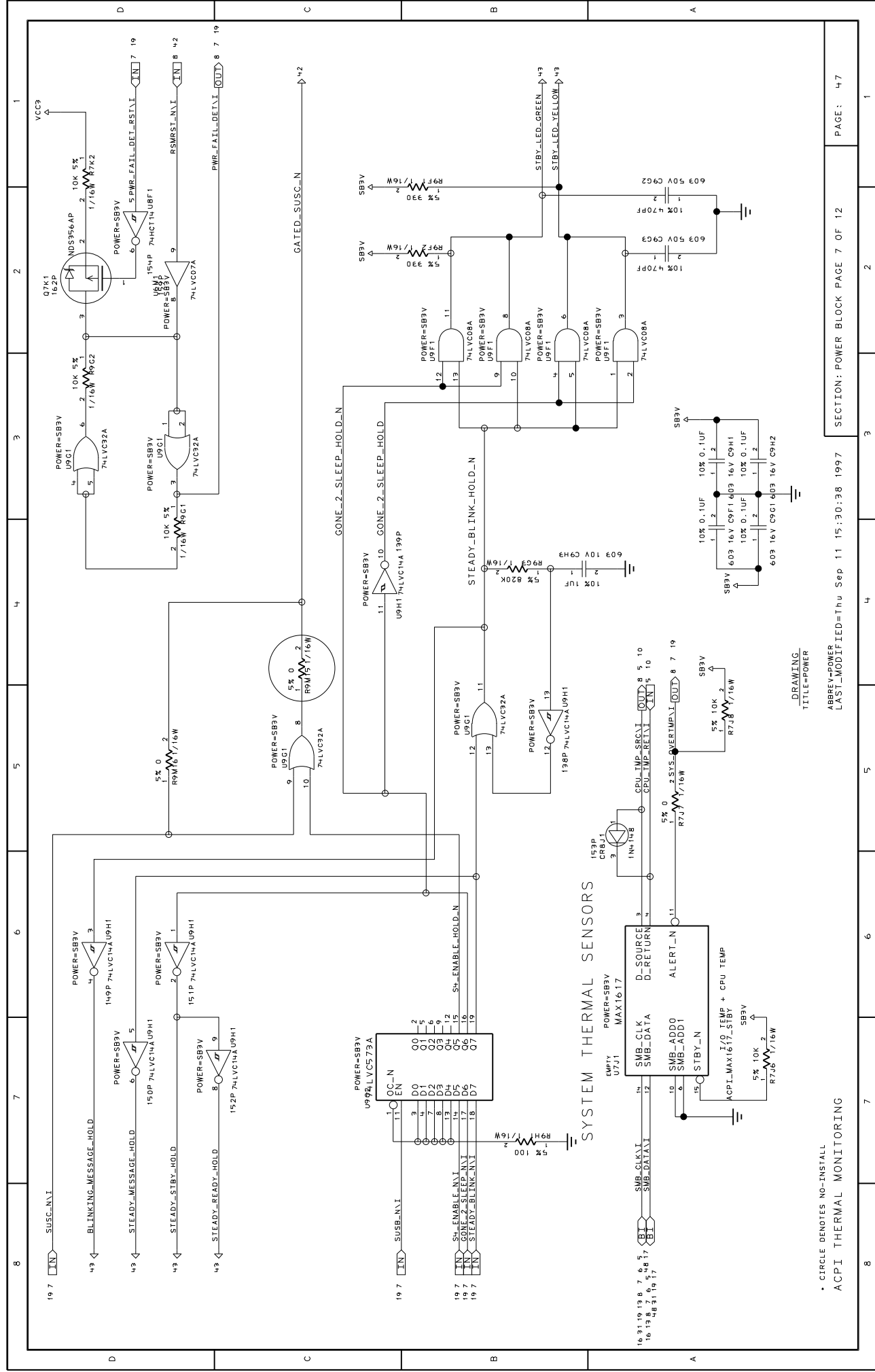
ABBREV=POWER
LAST_MODIFIED=Thu Sep 11 15:30:34 1997

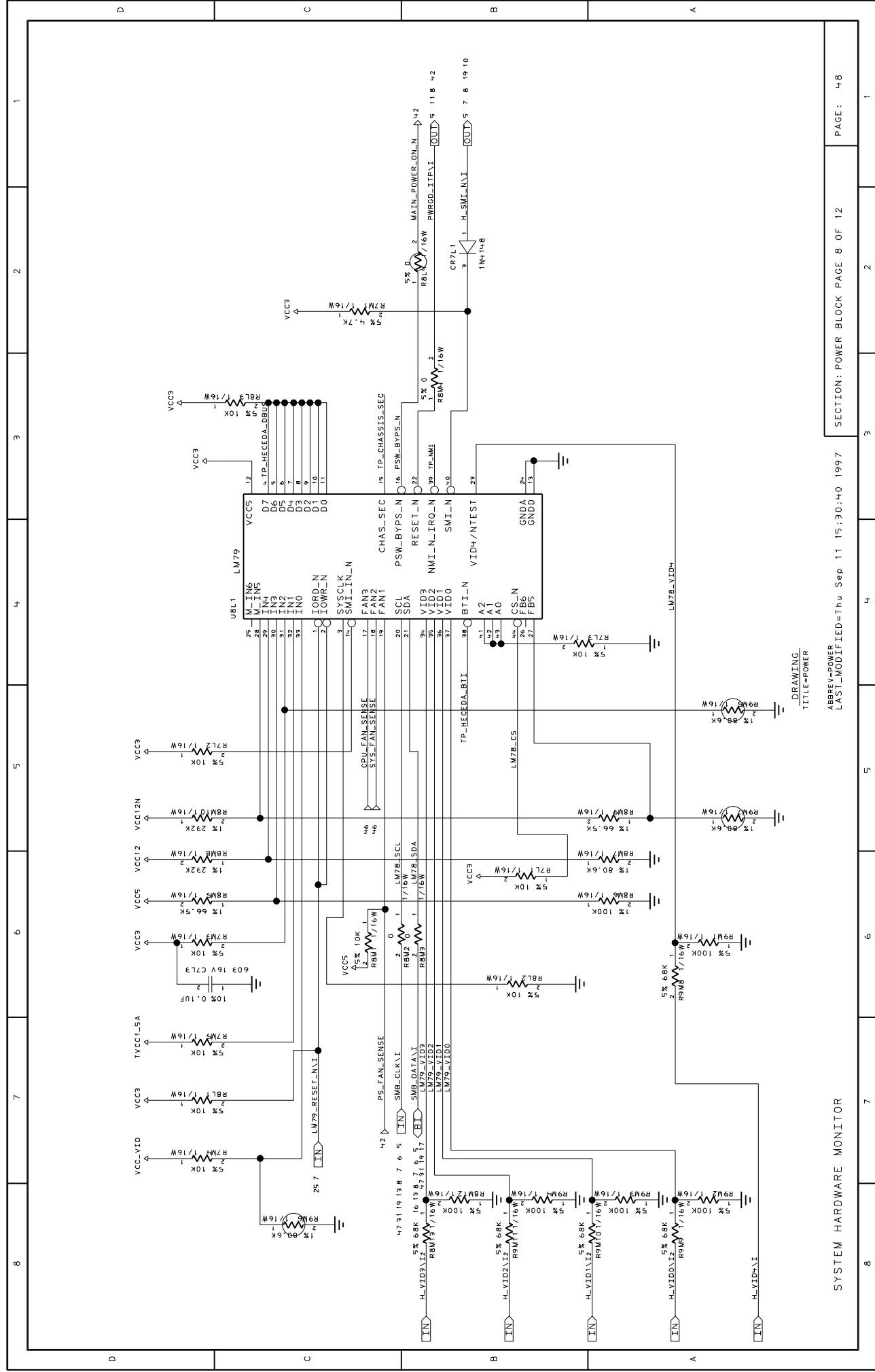
CPU CLOCK RATIO STRAPPING

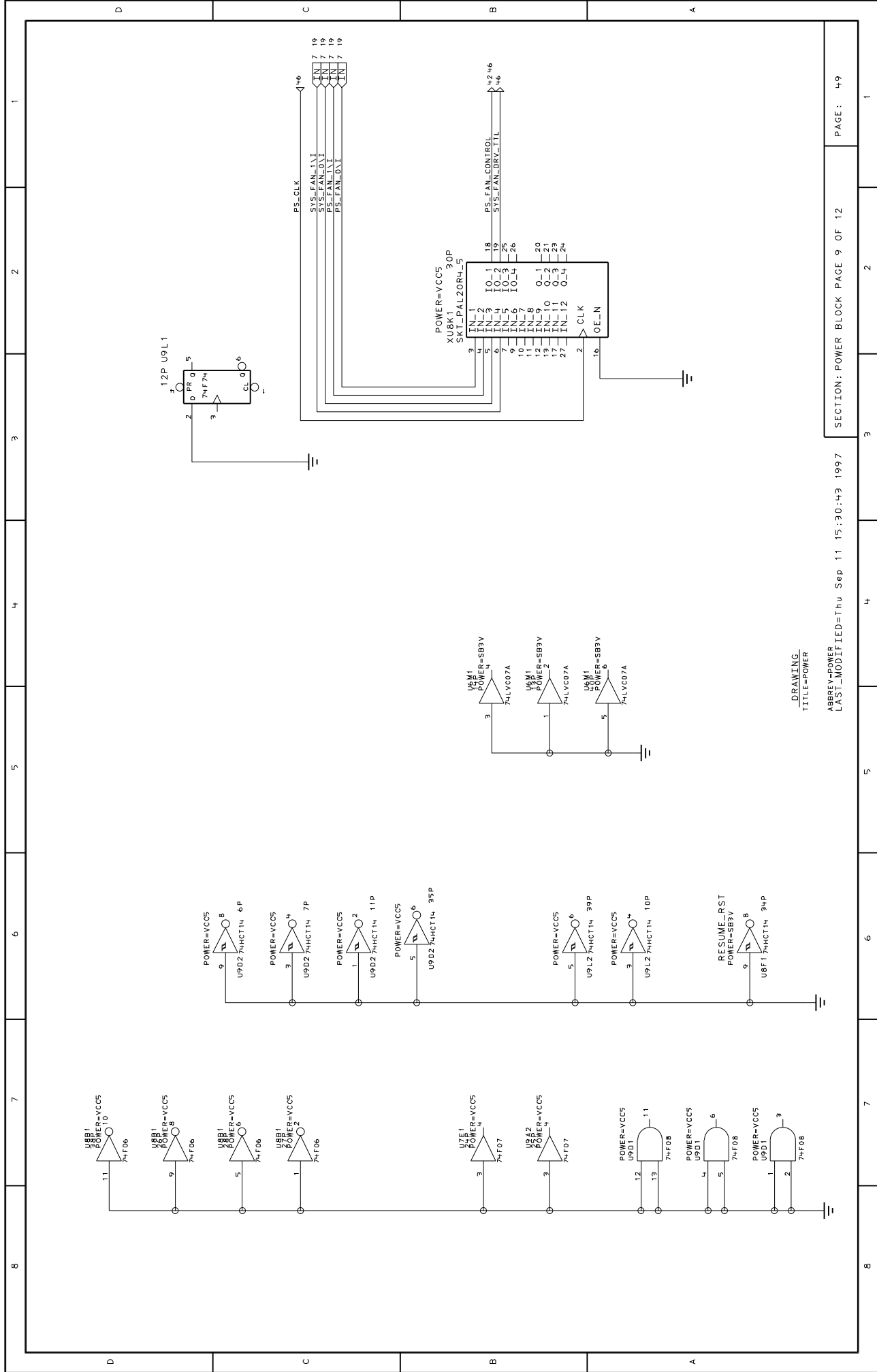
SECTION: POWER BLOCK PAGE 5 OF 12

PAGE: 45







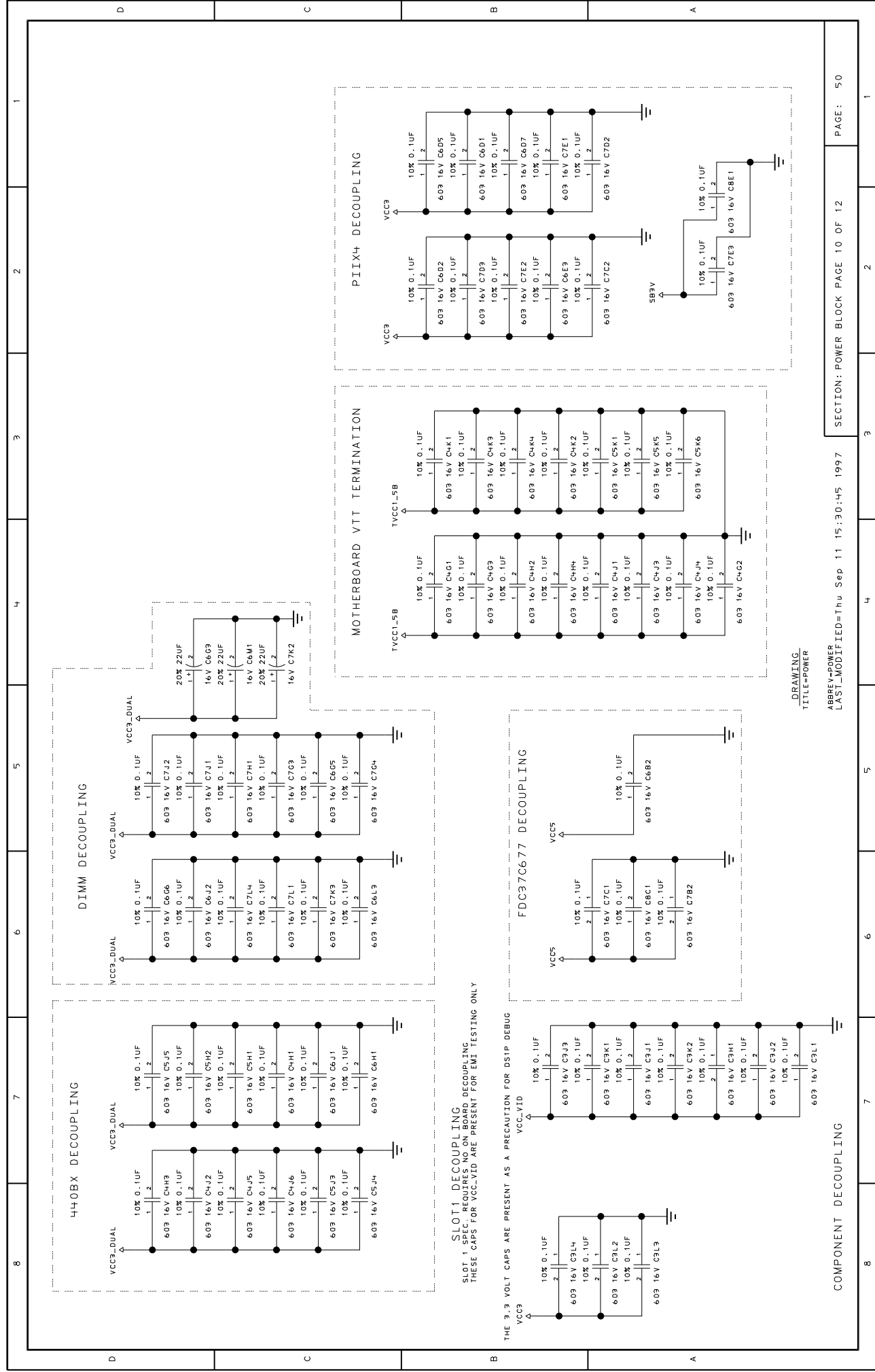


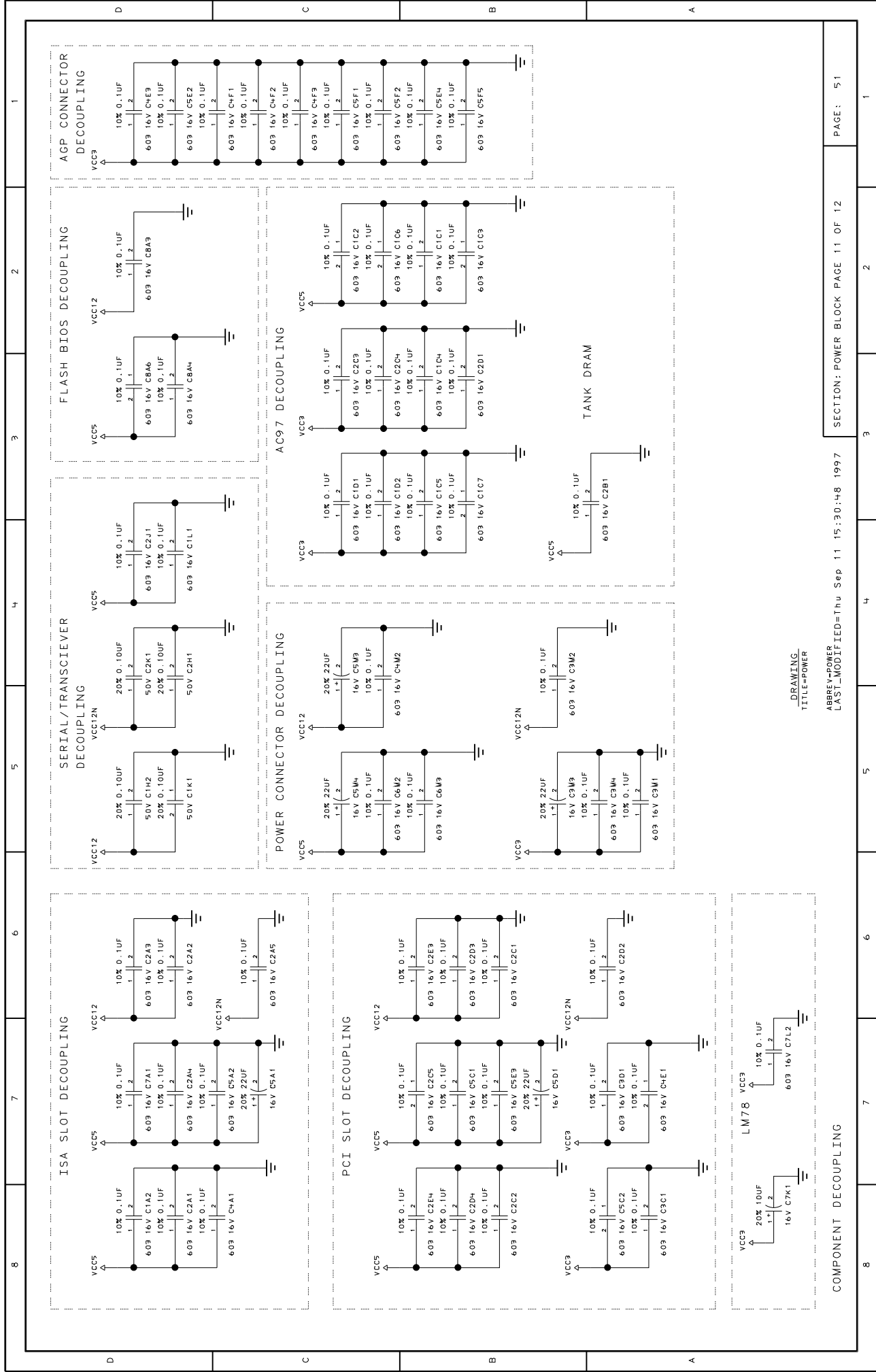
DRAWING
TITLE=POWER

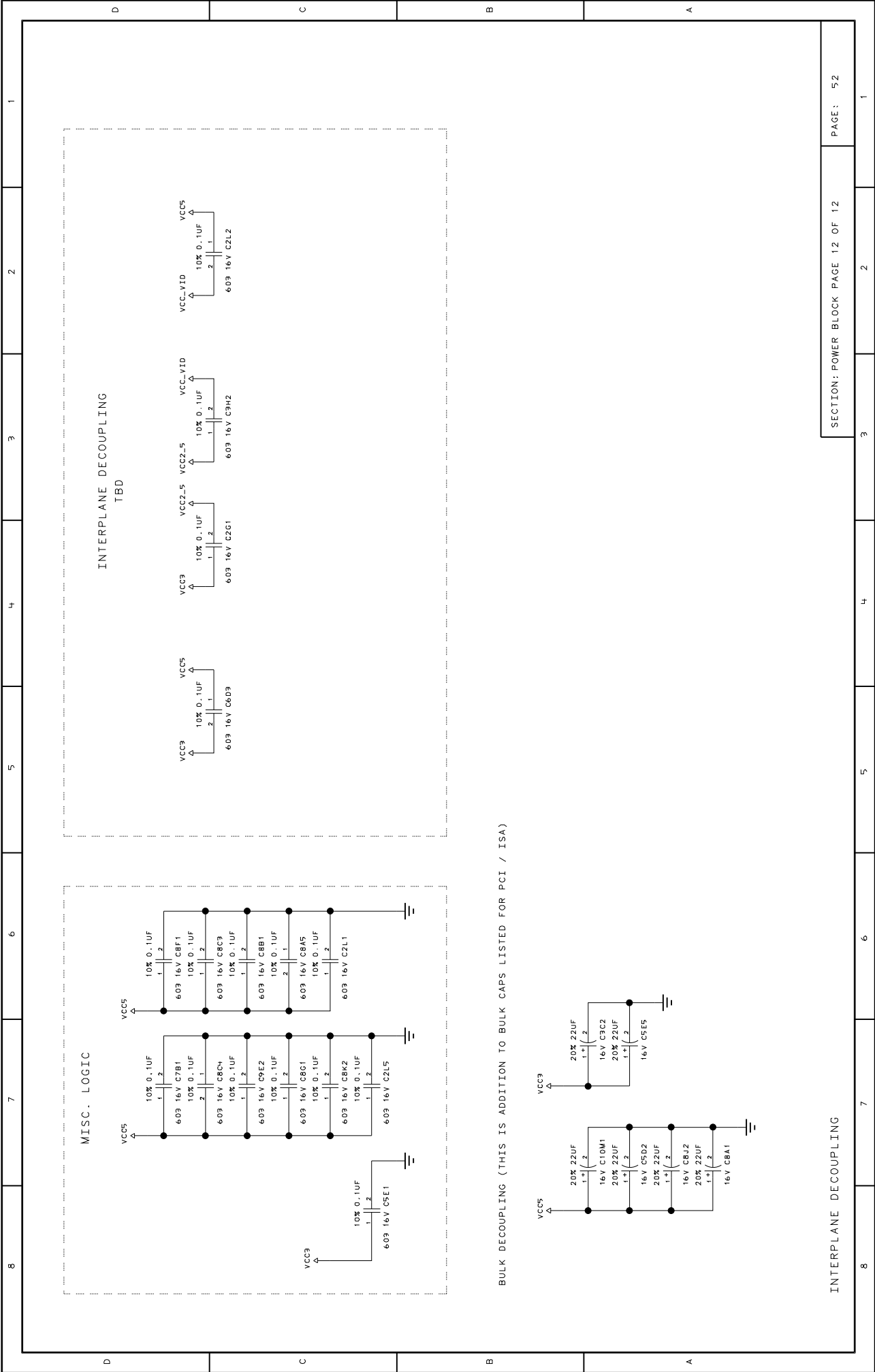
ABBREV=POWER
LAST_MODIFIED=Thu Sep 11 15:30:43 1997

SECTION: POWER BLOCK PAGE 9 OF 12

PAGE: 449







[illegible]

8								1
7								2
6								3
5								4
4								5
3								6
2								7
1								8
SECTION:								PAGE: 54

P_TRDY_N	6 7 15 19 20 27 28 29 30 31
RC_N	8 32 7 19
REFSV	8 41 6 7 15 19
REFRESH_N	39 37 38 40
RIA_N	35 32
RIB_N	35 32
RINGSB_N	8 95 7 19
RSURST_N	8 42 7 19 47
RTSA_N	32 35
RISBL_N	32 35
RISBLN	7 19 8 39
R_SALE	7 19 8 39
R_TOR_N	7 8 19 39
R_TOWL_N	7 8 19 39
R_MEMR_N	7 19 8 39
R_MEMM_N	7 19 8 39
R_REFRESH_N	7 19 39 8
R_SMEMR_N	7 19 8 39
R_SMEMM_N	7 19 8 39
R_SYSCLK	7 19 8 39
R_TIC	7 19 8 39
S4_ENABLE_N	7 19 8 47
SA4_ENABLE_N	7 19 8 47
SA46_HOLD_N	7 19 8 42
SA46_HOLD	8 44 7 19
SBHE_N	7 19 37 38 8 40
SD <15..0>	7 8 19 32 36 37 38 40
SDA <2..0>	19 26
SOC51_N	19 26
SOC59_N	19 26
SDD <15..0>	19 26
SDDACK_N	19 26
SDDRQ	26 19
SDDRQ_N	19 26
SDIOR_N	19 26
SDIORL_N	19 26
SELIOO66_N	39 8 40 44 12
SELECT	39 32
SER_IRO	7 8 20 32 19
SETUP015_N	8 44 7 19
SINA	35 32
SINB	35 32
SIORBY	26 19
SLOTIN_N	32 34
SLOT_DREQ2	37 38 39
SLOT_IRO09	37 38 39
SLOT_ZWS_N	37 38 39 40
SLOTION_N	37 38 39 40
SLOTIONN	39 37 38 40
SLT5CLK	39 37 38 40
SMB_CLK	5 6 7 8 13 19 31 47 16 17 48
SMB_DATA	5 6 7 8 13 16 17 19 31 47 48
SMC_O5C	5 12 8 32
SMWR_N	39 37 38
SMWML_N	39 37 38
SOUTA	32 35
SOUTB	32 35
STBY_LED_GREEN	47 43
STBY_LED_YELLOW	47 43
STEADY_BLINK_N	19 8 47
STEADY_BLINK	19 8 47
STEADY_HOLD_N	47 43
STEADY_HOLD	47 43
STEADY_STBY_HOLD	47 43
STROBE_N	32 34
SUSAN	7 19 5 12
SUSBN	7 19 8 42 47
SUSCN	7 19 8 47
SUS_STAT1_N	7 19 6 15
SW_ON_N	8 43 7 19
SYS_FANLO	7 19 8 46 49
SYS_FANL1	7 19 8 46 49
SYS_FANLDRN_TTL	46 49
SYS_FANLDRN	46 49
SYS_FANLDRSE	46 49
SYS_OVERTMP	8 47 7 19
TC	37 38 39 32

USBCLK	5 12 7 19
USBDP0_N	25 19
USBDP0	19 25
USBP0_N	19 25
USBP0	19 25
USBP1_N	19 25
USBP1	19 25
USB_OC_N	25 19
WAKE_UP_IN	8 31 7 19 43
ZWS_N_LEOS	8 99 7 19

[illegible]

8		7		6		5		4		3		2		1	
SECTION: PAGE: 56															
RESISTOR 19															
RESISTOR 19															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR 10															
RESISTOR 11															
RESISTOR 11															
RESISTOR 10															
RESISTOR															

[illegible]